

November 19, 2009

Doug Morell
Golder Associates, Inc.
18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

RE: Avery Landing

Enclosed are the results of analyses for samples received by the laboratory on 09/07/09 09:14.
The following list is a summary of the Work Orders contained in this report, generated on 11/19/09 15:16.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
SSI0032	Avery Landing	073-93312-03

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G-HC1R-090409	SSI0032-01	Water	09/04/09 09:00	09/07/09 09:14
G-EW3-090409	SSI0032-02	Water	09/04/09 11:20	09/07/09 09:14
G-EW4-090409	SSI0032-03	Water	09/04/09 13:20	09/07/09 09:14
G-EMW04-090409	SSI0032-04	Water	09/04/09 15:35	09/07/09 09:14
G-P101OFP-090409	SSI0032-05	Other (L)	09/04/09 17:30	09/07/09 09:14
G-GA1-090509	SSI0032-06	Water	09/05/09 09:40	09/07/09 09:14
G-EMW05-090509	SSI0032-07	Water	09/05/09 11:25	09/07/09 09:14
G-EMW06-090509	SSI0032-08	Water	09/05/09 13:25	09/07/09 09:14
G-EB-090509	SSI0032-09	Water	09/05/09 14:00	09/07/09 09:14
G-RS5FP-090509	SSI0032-10	Other (L)	09/05/09 15:00	09/07/09 09:14
G-RS4FP-090509	SSI0032-11	Other (L)	09/05/09 16:08	09/07/09 09:14
G-RS3FP-090509	SSI0032-12	Other (L)	09/05/09 16:35	09/07/09 09:14
G-RS3aFP-090509	SSI0032-13	Other (L)	09/05/09 17:00	09/07/09 09:14
G-RS1SW-090609	SSI0032-14	Water	09/06/09 09:45	09/07/09 09:14
G-RS2SW-090609	SSI0032-15	Water	09/06/09 10:45	09/07/09 09:14
G-RS3SW-090609	SSI0032-16	Water	09/06/09 12:00	09/07/09 09:14
G-RS3DSW-090609	SSI0032-17	Water	09/06/09 11:40	09/07/09 09:14
G-RS4SW-090609	SSI0032-19	Water	09/06/09 13:30	09/07/09 09:14
G-RS5SW-090609	SSI0032-20	Water	09/06/09 14:00	09/07/09 09:14
G-RS6SW-090609	SSI0032-21	Water	09/06/09 14:50	09/07/09 09:14
G-RS7SW-090609	SSI0032-22	Water	09/06/09 15:20	09/07/09 09:14
G-RS8SW-090609	SSI0032-23	Water	09/06/09 16:25	09/07/09 09:14

TestAmerica Spokane



Rande Decker, Project Manager

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Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Analytical Case Narrative

TestAmerica - Spokane, WA

SSI0032

As per EPA SW846 revision 4 the holding time for 8082 PCB analysis is one year from collection.

TestAmerica Spokane



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11/19/09 15:16

Semivolatile Petroleum Products by NWTPH-Dx
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-01 (G-HC1R-090409)		Water		Sampled: 09/04/09 09:00						
Diesel Range Hydrocarbons	NWTPH-Dx	0.992	----	0.240	mg/l	1x	9090104	09/16/09 08:06	09/17/09 01:42	
Heavy Oil Range Hydrocarbons	"	0.637	----	0.481	"	"	"	"	"	
Surrogate(s): 2-FBP		80.0%			50 - 150 %	"			"	
p-Terphenyl-d14		105%			50 - 150 %	"			"	
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Diesel Range Hydrocarbons	NWTPH-Dx	1.85	----	0.236	mg/l	1x	9090104	09/16/09 08:06	09/17/09 02:05	
Heavy Oil Range Hydrocarbons	"	1.60	----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP		73.1%			50 - 150 %	"			"	
p-Terphenyl-d14		92.2%			50 - 150 %	"			"	
SSI0032-03RE1 (G-EW4-090409)		Water		Sampled: 09/04/09 13:20						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.236	mg/l	1x	9090121	09/18/09 14:11	09/18/09 23:24	
Heavy Oil Range Hydrocarbons	"	ND	----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP		97.9%			50 - 150 %	"			"	
p-Terphenyl-d14		118%			50 - 150 %	"			"	
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.236	mg/l	1x	9090104	09/16/09 08:06	09/17/09 02:52	
Heavy Oil Range Hydrocarbons	"	ND	----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP		73.7%			50 - 150 %	"			"	
p-Terphenyl-d14		104%			50 - 150 %	"			"	
SSI0032-05 (G-P10IOFP-090409)		Other (L)		Sampled: 09/04/09 17:30						
Diesel Range Hydrocarbons	NWTPH-Dx	201000	----	5660	mg/kg	5x	9090118	09/18/09 06:13	09/18/09 11:42	
Heavy Oil Range Hydrocarbons	"	120000	----	14200	"	"	"	"	"	
Surrogate(s): 2-FBP		158%			50 - 150 %	"			"	Z3
p-Terphenyl-d14		106%			50 - 150 %	"			"	
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.236	mg/l	1x	9090104	09/16/09 08:06	09/17/09 03:16	
Heavy Oil Range Hydrocarbons	"	ND	----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP		69.9%			50 - 150 %	"			"	
p-Terphenyl-d14		97.7%			50 - 150 %	"			"	

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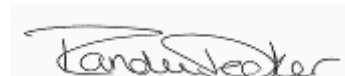
11/19/09 15:16

Semivolatile Petroleum Products by NWTPH-Dx
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes	
SSI0032-06RE1 (G-GA1-090509)		Water			Sampled: 09/05/09 09:40						H
Diesel Range Hydrocarbons	NWTPH-Dx	0.352	----	0.236	mg/l	1x	9100094	10/15/09 12:59	10/15/09 17:01		
Heavy Oil Range Hydrocarbons	"	ND	----	0.472	"	"	"	"	"		
Surrogate(s): 2-FBP		76.4%			50 - 150 %		"		"		
p-Terphenyl-d14		78.1%			50 - 150 %		"		"		
SSI0032-07 (G-EMW05-090509)		Water			Sampled: 09/05/09 11:25						
Diesel Range Hydrocarbons	NWTPH-Dx	0.611	----	0.236	mg/l	1x	9090104	09/16/09 08:06	09/17/09 03:39		
Heavy Oil Range Hydrocarbons	"	ND	----	0.472	"	"	"	"	"		
Surrogate(s): 2-FBP		75.8%			50 - 150 %		"		"		
p-Terphenyl-d14		102%			50 - 150 %		"		"		
SSI0032-08 (G-EMW06-090509)		Water			Sampled: 09/05/09 13:25						
Diesel Range Hydrocarbons	NWTPH-Dx	0.546	----	0.240	mg/l	1x	9090104	09/16/09 08:06	09/17/09 04:03		
Heavy Oil Range Hydrocarbons	"	ND	----	0.481	"	"	"	"	"		
Surrogate(s): 2-FBP		71.5%			50 - 150 %		"		"		
p-Terphenyl-d14		98.1%			50 - 150 %		"		"		
SSI0032-09 (G-EB-090509)		Water			Sampled: 09/05/09 14:00						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.240	mg/l	1x	9090104	09/16/09 08:06	09/17/09 05:13		
Heavy Oil Range Hydrocarbons	"	ND	----	0.481	"	"	"	"	"		
Surrogate(s): 2-FBP		87.6%			50 - 150 %		"		"		
p-Terphenyl-d14		110%			50 - 150 %		"		"		
SSI0032-10 (G-RS5FP-090509)		Other (L)			Sampled: 09/05/09 15:00						
Diesel Range Hydrocarbons	NWTPH-Dx	233000	----	12000	mg/kg	10x	9090118	09/18/09 06:13	09/18/09 12:06		
Heavy Oil Range Hydrocarbons	"	265000	----	30000	"	"	"	"	"		
Surrogate(s): 2-FBP		73.7%			50 - 150 %		"		"		
p-Terphenyl-d14		89.1%			50 - 150 %		"		"		
SSI0032-11 (G-RS4FP-090509)		Other (L)			Sampled: 09/05/09 16:08						
Diesel Range Hydrocarbons	NWTPH-Dx	386000	----	5880	mg/kg	5x	9090118	09/18/09 06:13	09/18/09 12:06		
Heavy Oil Range Hydrocarbons	"	306000	----	14700	"	"	"	"	"		
Surrogate(s): 2-FBP		161%			50 - 150 %		"		"		Z3
p-Terphenyl-d14		95.0%			50 - 150 %		"		"		

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Project Manager: Doug Morell

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11/19/09 15:16

Semivolatile Petroleum Products by NWTPH-Dx

TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-12 (G-RS3FP-090509)		Other (L)			Sampled: 09/05/09 16:35					
Diesel Range Hydrocarbons	NWTPH-Dx	154000	----	11300	mg/kg	10x	9090118	09/18/09 06:13	09/18/09 12:32	
Heavy Oil Range Hydrocarbons	"	149000	----	28300	"	"	"	"	"	
Surrogate(s):	2-FBP	132%			50 - 150 %		"		"	
	p-Terphenyl-d14	98.6%			50 - 150 %		"		"	
SSI0032-13 (G-RS3aFP-090509)		Other (L)			Sampled: 09/05/09 17:00					
Diesel Range Hydrocarbons	NWTPH-Dx	80700	----	2400	mg/kg	1x	9090118	09/18/09 06:13	09/18/09 12:32	
Heavy Oil Range Hydrocarbons	"	67500	----	6000	"	"	"	"	"	
Surrogate(s):	2-FBP	103%			50 - 150 %		"		"	
	p-Terphenyl-d14	107%			50 - 150 %		"		"	
SSI0032-14 (G-RS1SW-090609)		Water			Sampled: 09/06/09 09:45					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.250	mg/l	1x	9090104	09/16/09 08:06	09/17/09 05:37	
Heavy Oil Range Hydrocarbons	"	ND	----	0.500	"	"	"	"	"	
Surrogate(s):	2-FBP	72.1%			50 - 150 %		"		"	
	p-Terphenyl-d14	92.6%			50 - 150 %		"		"	
SSI0032-15 (G-RS2SW-090609)		Water			Sampled: 09/06/09 10:45					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.260	mg/l	1x	9090104	09/16/09 08:06	09/17/09 06:00	
Heavy Oil Range Hydrocarbons	"	ND	----	0.521	"	"	"	"	"	
Surrogate(s):	2-FBP	80.8%			50 - 150 %		"		"	
	p-Terphenyl-d14	103%			50 - 150 %		"		"	
SSI0032-16 (G-RS3SW-090609)		Water			Sampled: 09/06/09 12:00					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.266	mg/l	1x	9090104	09/16/09 08:06	09/17/09 06:24	
Heavy Oil Range Hydrocarbons	"	ND	----	0.532	"	"	"	"	"	
Surrogate(s):	2-FBP	76.9%			50 - 150 %		"		"	
	p-Terphenyl-d14	99.6%			50 - 150 %		"		"	
SSI0032-17 (G-RS3DSW-090609)		Water			Sampled: 09/06/09 11:40					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.236	mg/l	1x	9090104	09/16/09 08:06	09/17/09 06:47	
Heavy Oil Range Hydrocarbons	"	ND	----	0.472	"	"	"	"	"	
Surrogate(s):	2-FBP	82.2%			50 - 150 %		"		"	
	p-Terphenyl-d14	103%			50 - 150 %		"		"	

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Semivolatile Petroleum Products by NWTPH-Dx
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-19 (G-RS4SW-090609)		Water			Sampled: 09/06/09 13:30					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.248	mg/l	1x	9090104	09/16/09 08:06	09/17/09 07:11	
Heavy Oil Range Hydrocarbons	"	ND	----	0.495	"	"	"	"	"	
Surrogate(s): 2-FBP		73.4%			50 - 150 %		"		"	
p-Terphenyl-d14		96.4%			50 - 150 %		"		"	
SSI0032-20 (G-RS5SW-090609)		Water			Sampled: 09/06/09 14:00					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.240	mg/l	1x	9090104	09/16/09 08:06	09/17/09 07:34	
Heavy Oil Range Hydrocarbons	"	ND	----	0.481	"	"	"	"	"	
Surrogate(s): 2-FBP		78.4%			50 - 150 %		"		"	
p-Terphenyl-d14		103%			50 - 150 %		"		"	
SSI0032-21 (G-RS6SW-090609)		Water			Sampled: 09/06/09 14:50					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.278	mg/l	1x	9090104	09/16/09 08:06	09/17/09 07:58	
Heavy Oil Range Hydrocarbons	"	ND	----	0.556	"	"	"	"	"	
Surrogate(s): 2-FBP		83.9%			50 - 150 %		"		"	
p-Terphenyl-d14		106%			50 - 150 %		"		"	
SSI0032-22 (G-RS7SW-090609)		Water			Sampled: 09/06/09 15:20					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.245	mg/l	1x	9090104	09/16/09 08:06	09/17/09 08:21	
Heavy Oil Range Hydrocarbons	"	ND	----	0.490	"	"	"	"	"	
Surrogate(s): 2-FBP		79.2%			50 - 150 %		"		"	
p-Terphenyl-d14		100%			50 - 150 %		"		"	
SSI0032-23 (G-RS8SW-090609)		Water			Sampled: 09/06/09 16:25					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	----	0.240	mg/l	1x	9090104	09/16/09 08:06	09/17/09 09:32	
Heavy Oil Range Hydrocarbons	"	ND	----	0.481	"	"	"	"	"	
Surrogate(s): 2-FBP		77.7%			50 - 150 %		"		"	
p-Terphenyl-d14		101%			50 - 150 %		"		"	

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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls by EPA Method 8082
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-05 (G-P101OFP-090409)		Other (L)			Sampled: 09/04/09 17:30					C7
PCB-1016	EPA 8082	ND	----	0.943	mg/kg	1x	9090119	09/18/09 08:06	09/18/09 18:14	
PCB-1221	"	ND	----	0.943	"	"	"	"	"	
PCB-1232	"	ND	----	0.943	"	"	"	"	"	
PCB-1242	"	ND	----	0.943	"	"	"	"	"	
PCB-1248	"	ND	----	0.943	"	"	"	"	"	
PCB-1254	"	ND	----	0.943	"	"	"	"	"	
PCB-1260	"	ND	----	0.943	"	"	"	"	"	
Surrogate(s): TCX		83.6%			50 - 150 %		"		"	
Decachlorobiphenyl		41.0%			50 - 150 %		"		" Z	
SSI0032-10 (G-RS5FP-090509)		Other (L)			Sampled: 09/05/09 15:00					C7
PCB-1016	EPA 8082	ND	----	0.962	mg/kg	1x	9090119	09/18/09 08:06	09/18/09 18:37	
PCB-1221	"	ND	----	0.962	"	"	"	"	"	
PCB-1232	"	ND	----	0.962	"	"	"	"	"	
PCB-1242	"	ND	----	0.962	"	"	"	"	"	
PCB-1248	"	ND	----	0.962	"	"	"	"	"	
PCB-1254	"	ND	----	0.962	"	"	"	"	"	
PCB-1260	"	ND	----	0.962	"	"	"	"	"	
Surrogate(s): TCX		79.2%			50 - 150 %		"		"	
Decachlorobiphenyl		38.8%			50 - 150 %		"		" Z	
SSI0032-11 (G-RS4FP-090509)		Other (L)			Sampled: 09/05/09 16:08					C7
PCB-1016	EPA 8082	ND	----	0.980	mg/kg	1x	9090119	09/18/09 08:06	09/18/09 19:00	
PCB-1221	"	ND	----	0.980	"	"	"	"	"	
PCB-1232	"	ND	----	0.980	"	"	"	"	"	
PCB-1242	"	ND	----	0.980	"	"	"	"	"	
PCB-1248	"	ND	----	0.980	"	"	"	"	"	
PCB-1254	"	ND	----	0.980	"	"	"	"	"	
PCB-1260	"	ND	----	0.980	"	"	"	"	"	
Surrogate(s): TCX		86.9%			50 - 150 %		"		"	
Decachlorobiphenyl		34.9%			50 - 150 %		"		" Z	

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11/19/09 15:16

Polychlorinated Biphenyls by EPA Method 8082
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-12	(G-RS3FP-090509)	Other (L)			Sampled: 09/05/09 16:35					C7
PCB-1016	EPA 8082	ND	----	0.877	mg/kg	1x	9090119	09/18/09 08:06	09/18/09 19:22	
PCB-1221	"	ND	----	0.877	"	"	"	"	"	
PCB-1232	"	ND	----	0.877	"	"	"	"	"	
PCB-1242	"	ND	----	0.877	"	"	"	"	"	
PCB-1248	"	ND	----	0.877	"	"	"	"	"	
PCB-1254	"	ND	----	0.877	"	"	"	"	"	
PCB-1260	"	ND	----	0.877	"	"	"	"	09/18/09 19:45	
Surrogate(s): TCX		80.8%			50 - 150 %		"		09/18/09 19:22	
Decachlorobiphenyl		48.6%			50 - 150 %		"		" Z	
SSI0032-13	(G-RS3aFP-090509)	Other (L)			Sampled: 09/05/09 17:00					C7
PCB-1016	EPA 8082	ND	----	2.38	mg/kg	1x	9090119	09/18/09 08:06	09/18/09 19:45	
PCB-1221	"	ND	----	2.38	"	"	"	"	"	
PCB-1232	"	ND	----	2.38	"	"	"	"	"	
PCB-1242	"	ND	----	2.38	"	"	"	"	"	
PCB-1248	"	ND	----	2.38	"	"	"	"	"	
PCB-1254	"	ND	----	2.38	"	"	"	"	"	
PCB-1260	"	ND	----	2.38	"	"	"	"	09/18/09 20:08	
Surrogate(s): TCX		76.2%			50 - 150 %		"		09/18/09 19:45	
Decachlorobiphenyl		50.3%			50 - 150 %		"		"	

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Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring
TestAmerica Spokane


Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-05 (G-P101OFP-090409)		Other (L)		Sampled: 09/04/09 17:30						
1-Methylnaphthalene	EPA 8270 mod.	114	----	2.88	mg/kg	1x	9090081	09/11/09 13:20	09/13/09 18:25	
2-Methylnaphthalene	"	48.3	----	2.88	"	"	"	"	"	
Acenaphthene	"	29.2	----	2.88	"	"	"	"	"	
Acenaphthylene	"	ND	----	2.88	"	"	"	"	"	
Anthracene	"	33.5	----	2.88	"	"	"	"	"	
Benzo (a) anthracene	"	4.42	----	2.88	"	"	"	"	"	
Benzo (a) pyrene	"	4.62	----	2.88	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	2.88	"	"	"	"	"	
Benzo (ghi) perylene	"	14.0	----	2.88	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	2.88	"	"	"	"	"	
Chrysene	"	9.04	----	2.88	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	9.62	----	2.88	"	"	"	"	"	
Fluoranthene	"	8.27	----	2.88	"	"	"	"	"	
Fluorene	"	45.6	----	2.88	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	10.2	----	2.88	"	"	"	"	"	
Naphthalene	"	13.3	----	2.88	"	"	"	"	"	
Phenanthrene	"	88.8	----	2.88	"	"	"	"	"	
Pyrene	"	22.7	----	2.88	"	"	"	"	"	
Surrogate(s): 2-FBP		104%		34.5 - 148 %	"				"	
Nitrobenzene-d5		103%		33 - 141 %	"				"	
p-Terphenyl-d14		120%		37.8 - 150 %	"				"	

SSI0032-10 (G-RS5FP-090509)

		Other (L)		Sampled: 09/05/09 15:00						
1-Methylnaphthalene	EPA 8270 mod.	15.3	----	3.06	mg/kg	1x	9090081	09/11/09 13:20	09/13/09 23:47	
2-Methylnaphthalene	"	ND	----	3.06	"	"	"	"	"	
Acenaphthene	"	33.1	----	3.06	"	"	"	"	"	
Acenaphthylene	"	ND	----	3.06	"	"	"	"	"	
Anthracene	"	96.9	----	3.06	"	"	"	"	"	
Benzo (a) anthracene	"	19.2	----	3.06	"	"	"	"	"	101
Benzo (a) pyrene	"	8.57	----	3.06	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	3.06	"	"	"	"	"	
Benzo (ghi) perylene	"	9.59	----	3.06	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	3.06	"	"	"	"	"	
Chrysene	"	45.7	----	3.06	"	"	"	"	"	101
Dibenzo (a,h) anthracene	"	4.29	----	3.06	"	"	"	"	"	
Fluoranthene	"	9.18	----	3.06	"	"	"	"	"	
Fluorene	"	86.3	----	3.06	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	4.49	----	3.06	"	"	"	"	"	
Naphthalene	"	ND	----	3.06	"	"	"	"	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16


Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-10 (G-RS5FP-090509)		Other (L)			Sampled: 09/05/09 15:00					
Phenanthrene	EPA 8270 mod.	205	----	3.06	mg/kg	1x	9090081	09/11/09 13:20	09/13/09 23:47	
Pyrene	"	118	----	3.06	"	"	"	"	"	101
Surrogate(s):	2-FBP	97.4%			34.5 - 148 %		"	"		
	Nitrobenzene-d5	93.4%			33 - 141 %		"	"		
	p-Terphenyl-d14	142%			37.8 - 150 %		"	"		101
SSI0032-11 (G-RS4FP-090509)		Other (L)			Sampled: 09/05/09 16:08					
1-Methylnaphthalene	EPA 8270 mod.	328	----	3.06	mg/kg	1x	9090081	09/11/09 13:20	09/14/09 00:08	
2-Methylnaphthalene	"	35.3	----	3.06	"	"	"	"	"	
Acenaphthene	"	100	----	3.06	"	"	"	"	"	
Acenaphthylene	"	ND	----	3.06	"	"	"	"	"	
Anthracene	"	120	----	3.06	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	3.06	"	"	"	"	"	101
Benzo (a) pyrene	"	11.0	----	3.06	"	"	"	"	"	101
Benzo (b) fluoranthene	"	ND	----	3.06	"	"	"	"	"	101
Benzo (ghi) perylene	"	12.2	----	3.06	"	"	"	"	"	101
Benzo (k) fluoranthene	"	ND	----	3.06	"	"	"	"	"	101
Chrysene	"	50.6	----	3.06	"	"	"	"	"	101
Dibenzo (a,h) anthracene	"	4.90	----	3.06	"	"	"	"	"	101
Fluoranthene	"	15.1	----	3.06	"	"	"	"	"	
Fluorene	"	178	----	3.06	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	3.88	----	3.06	"	"	"	"	"	101
Naphthalene	"	ND	----	3.06	"	"	"	"	"	
Phenanthrene	"	292	----	3.06	"	"	"	"	"	
Pyrene	"	161	----	3.06	"	"	"	"	"	101
Surrogate(s):	2-FBP	88.4%			34.5 - 148 %		"	"		
	Nitrobenzene-d5	65.8%			33 - 141 %		"	"		
	p-Terphenyl-d14	170%			37.8 - 150 %		"	"		101. ZX

SSI0032-12 (G-RS3FP-090509)		Other (L)		Sampled: 09/05/09 16:35						
1-Methylnaphthalene	EPA 8270 mod.	63.1	----	3.12	mg/kg	1x	9090081	09/11/09 13:20	09/13/09 20:55	
2-Methylnaphthalene	"	ND	----	3.12	"	"	"	"	"	
Acenaphthene	"	30.2	----	3.12	"	"	"	"	"	
Acenaphthylene	"	ND	----	3.12	"	"	"	"	"	
Anthracene	"	50.4	----	3.12	"	"	"	"	"	
Benzo (a) anthracene	"	10.4	----	3.12	"	"	"	"	"	
Benzo (a) pyrene	"	3.96	----	3.12	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	3.12	"	"	"	"	"	
Benzo (ghi) perylene	"	3.12	----	3.12	"	"	"	"	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring
TestAmerica Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-12 (G-RS3FP-090509)		Other (L)			Sampled: 09/05/09 16:35					
Benzo (k) fluoranthene	EPA 8270 mod.	ND	----	3.12	mg/kg	1x	9090081	09/11/09 13:20	09/13/09 20:55	
Chrysene	"	23.1	----	3.12	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	3.12	"	"	"	"	"	
Fluoranthene	"	9.38	----	3.12	"	"	"	"	"	
Fluorene	"	45.6	----	3.12	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	3.12	"	"	"	"	"	
Naphthalene	"	7.29	----	3.12	"	"	"	"	"	
Phenanthrene	"	84.0	----	3.12	"	"	"	"	"	
Pyrene	"	55.8	----	3.12	"	"	"	"	"	
Surrogate(s): 2-FBP		95.4%			34.5 - 148 %		"		"	
Nitrobenzene-d5		101%			33 - 141 %		"		"	
p-Terphenyl-d14		133%			37.8 - 150 %		"		"	
SSI0032-13 (G-RS3aFP-090509)		Other (L)			Sampled: 09/05/09 17:00					
1-Methylnaphthalene	EPA 8270 mod.	47.6	----	2.73	mg/kg	1x	9090081	09/11/09 13:20	09/13/09 19:08	
2-Methylnaphthalene	"	45.6	----	2.73	"	"	"	"	"	
Acenaphthene	"	16.5	----	2.73	"	"	"	"	"	
Acenaphthylene	"	ND	----	2.73	"	"	"	"	"	
Anthracene	"	20.2	----	2.73	"	"	"	"	"	
Benzo (a) anthracene	"	3.27	----	2.73	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	2.73	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	2.73	"	"	"	"	"	
Benzo (ghi) perylene	"	3.64	----	2.73	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	2.73	"	"	"	"	"	
Chrysene	"	7.27	----	2.73	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	2.73	----	2.73	"	"	"	"	"	
Fluoranthene	"	4.00	----	2.73	"	"	"	"	"	
Fluorene	"	25.3	----	2.73	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	2.91	----	2.73	"	"	"	"	"	
Naphthalene	"	6.91	----	2.73	"	"	"	"	"	
Phenanthrene	"	47.8	----	2.73	"	"	"	"	"	
Pyrene	"	15.3	----	2.73	"	"	"	"	"	
Surrogate(s): 2-FBP		104%			34.5 - 148 %		"		"	
Nitrobenzene-d5		104%			33 - 141 %		"		"	
p-Terphenyl-d14		110%			37.8 - 150 %		"		"	

TestAmerica Spokane



Randee Decker, Project Manager

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18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Dissolved
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Calcium	6010B Dissolved	29	0.028	1.1	mg/L	1x	53620	11/09/09 10:32	11/09/09 18:14	
Iron	"	5.1	0.032	0.20	"	"	"	"	"	
Manganese	"	0.21	0.0017	0.020	"	"	"	"	"	
Magnesium	"	6.4	0.23	1.1	"	"	"	"	"	
Antimony	"	ND	0.0025	0.060	"	"	"	"	"	
Lead	"	ND	0.0017	0.030	"	"	"	"	"	
Potassium	"	1.1	0.41	3.3	"	"	"	"	11/10/09 16:41	J
Sodium	"	2.2	0.18	2.0	"	"	"	"	"	
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Calcium	6010B Dissolved	69	0.028	1.1	mg/L	1x	53620	11/09/09 10:32	11/09/09 18:49	
Iron	"	19	0.032	0.20	"	"	"	"	"	
Manganese	"	1.3	0.0017	0.020	"	"	"	"	"	
Magnesium	"	11	0.23	1.1	"	"	"	"	"	
Antimony	"	ND	0.0025	0.060	"	"	"	"	"	
Lead	"	ND	0.0017	0.030	"	"	"	"	"	
Potassium	"	3.2	0.41	3.3	"	"	"	"	11/10/09 17:08	J
Sodium	"	3.2	0.18	2.0	"	"	"	"	"	
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Iron	6010B Dissolved	8.0	0.032	0.20	mg/L	1x	54228	11/18/09 11:31	11/18/09 20:18	
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Calcium	6010B Dissolved	35	0.028	1.1	mg/L	1x	53620	11/09/09 10:32	11/09/09 18:57	
Iron	"	19	0.032	0.20	"	"	"	"	"	
Manganese	"	2.3	0.0017	0.020	"	"	"	"	"	
Magnesium	"	6.8	0.23	1.1	"	"	"	"	"	
Antimony	"	ND	0.0025	0.060	"	"	"	"	"	
Lead	"	ND	0.0017	0.030	"	"	"	"	"	
Potassium	"	1.6	0.41	3.3	"	"	"	"	11/10/09 17:13	J
Sodium	"	2.3	0.18	2.0	"	"	"	"	"	

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Dissolved
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-08 (G-EMW06-090509)		Water		Sampled: 09/05/09 13:25						
Calcium	6010B Dissolved	34	0.028	1.1	mg/L	1x	53620	11/09/09 10:32	11/09/09 19:03	
Iron	"	11	0.032	0.20	"	"	"	"	"	
Manganese	"	0.98	0.0017	0.020	"	"	"	"	"	
Magnesium	"	7.5	0.23	1.1	"	"	"	"	"	
Antimony	"	ND	0.0025	0.060	"	"	"	"	"	
Lead	"	ND	0.0017	0.030	"	"	"	"	"	
Potassium	"	1.4	0.41	3.3	"	"	"	"	11/10/09 17:17	J
Sodium	"	2.6	0.18	2.0	"	"	"	"	"	
SSI0032-20 (G-RS5SW-090609)		Water		Sampled: 09/06/09 14:00						
Iron	6010B Dissolved	0.59	0.032	0.20	mg/L	1x	54228	11/18/09 11:31	11/18/09 20:50	
Manganese	"	0.13	0.0017	0.020	"	"	"	"	"	

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Dissolved
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Arsenic	6020 Dissolved	ND	0.00024	0.0020	mg/L	5x	53620	11/09/09 10:32	11/09/09 16:55	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.00090	0.00040	0.0020	"	"	"	"	"	J
Barium	"	0.025	0.00027	0.0060	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Chromium	"	0.00064	0.00037	0.0020	"	"	"	"	"	J
Copper	"	0.00068	0.00015	0.0050	"	"	"	"	"	J
Nickel	"	0.00090	0.00022	0.0020	"	"	"	"	"	J
Selenium	"	0.00052	0.00034	0.0020	"	"	"	"	"	J, B
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	0.00045	0.000060	0.0040	"	"	"	"	"	J, B
Vanadium	"	0.0016	0.00023	0.0020	"	"	"	"	"	J, B
Zinc	"	32	0.0020	0.0070	"	"	"	"	"	
Aluminum	"	0.012	0.0023	0.40	"	"	"	"	"	J, B
Cobalt	"	0.00082	0.00016	0.0020	"	"	"	"	"	J
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Arsenic	6020 Dissolved	0.017	0.00024	0.0020	mg/L	5x	53620	11/09/09 10:32	11/09/09 17:34	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.0022	0.00040	0.0020	"	"	"	"	"	
Barium	"	0.061	0.00027	0.0060	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Chromium	"	0.00066	0.00037	0.0020	"	"	"	"	"	J
Copper	"	0.00040	0.00015	0.0050	"	"	"	"	"	J
Nickel	"	0.0013	0.00022	0.0020	"	"	"	"	"	J
Selenium	"	0.00094	0.00034	0.0020	"	"	"	"	"	J, B
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	0.0014	0.000060	0.0040	"	"	"	"	"	J, B
Vanadium	"	0.0020	0.00023	0.0020	"	"	"	"	"	J, B
Zinc	"	0.027	0.0020	0.0070	"	"	"	"	"	
Aluminum	"	0.014	0.0023	0.40	"	"	"	"	"	J, B
Cobalt	"	0.0017	0.00016	0.0020	"	"	"	"	"	J

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Dissolved
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Arsenic	6020 Dissolved	0.0096	0.00024	0.0020	mg/L	5x	54228	11/18/09 11:31	11/18/09 19:47	
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Arsenic	6020 Dissolved	0.063	0.00024	0.0020	mg/L	5x	53620	11/09/09 10:32	11/09/09 17:38	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.0019	0.00040	0.0020	"	"	"	"	"	J
Barium	"	0.059	0.00027	0.0060	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Chromium	"	0.00080	0.00037	0.0020	"	"	"	"	"	J
Copper	"	0.00022	0.00015	0.0050	"	"	"	"	"	J
Nickel	"	0.00044	0.00022	0.0020	"	"	"	"	"	J
Selenium	"	0.00046	0.00034	0.0020	"	"	"	"	"	J, B
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	0.0011	0.000060	0.0040	"	"	"	"	"	J, B
Vanadium	"	0.0031	0.00023	0.0020	"	"	"	"	"	B
Zinc	"	0.0040	0.0020	0.0070	"	"	"	"	"	J
Aluminum	"	0.012	0.0023	0.40	"	"	"	"	"	J, B
Cobalt	"	0.0014	0.00016	0.0020	"	"	"	"	"	J
SSI0032-08 (G-EMW06-090509)		Water		Sampled: 09/05/09 13:25						
Arsenic	6020 Dissolved	0.028	0.00024	0.0020	mg/L	5x	53620	11/09/09 10:32	11/09/09 17:41	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.0018	0.00040	0.0020	"	"	"	"	"	J
Barium	"	0.044	0.00027	0.0060	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Chromium	"	0.0010	0.00037	0.0020	"	"	"	"	"	J
Copper	"	0.00021	0.00015	0.0050	"	"	"	"	"	J
Nickel	"	0.00042	0.00022	0.0020	"	"	"	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	0.00092	0.000060	0.0040	"	"	"	"	"	J, B
Vanadium	"	0.0031	0.00023	0.0020	"	"	"	"	"	B
Zinc	"	0.0056	0.0020	0.0070	"	"	"	"	"	J
Aluminum	"	0.020	0.0023	0.40	"	"	"	"	"	J, B
Cobalt	"	0.0013	0.00016	0.0020	"	"	"	"	"	J

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Mercury (CVAA) Dissolved
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Mercury	7470A Dissolved	ND	0.000041	0.00020	mg/L	1x	53714	11/10/09 10:01	11/10/09 15:13	Ha
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Mercury	7470A Dissolved	ND	0.000041	0.00020	mg/L	1x	53714	11/10/09 10:01	11/10/09 15:31	Ha
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Mercury	7470A Dissolved	ND	0.000041	0.00020	mg/L	1x	53714	11/10/09 10:01	11/10/09 15:35	Ha
SSI0032-08 (G-EMW06-090509)		Water		Sampled: 09/05/09 13:25						
Mercury	7470A Dissolved	ND	0.000041	0.00020	mg/L	1x	53714	11/10/09 10:01	11/10/09 15:39	Ha

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Mercury (CVAA)

TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-01 (G-HC1R-090409)		Water		Sampled: 09/04/09 09:00						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:21	
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:33	
SSI0032-03 (G-EW4-090409)		Water		Sampled: 09/04/09 13:20						
Mercury	7470A	0.00012	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:37	J
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Mercury	7470A	0.000074	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:42	J
SSI0032-05 (G-P101OFP-090409)		Other (L)		Sampled: 09/04/09 17:30						
Mercury	7471A	ND	0.011	0.036	mg/Kg	1x	50889	09/25/09 11:09	09/28/09 12:40	
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:46	
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Mercury	7470A	0.000079	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:51	J
SSI0032-08 (G-EMW06-090509)		Water		Sampled: 09/05/09 13:25						
Mercury	7470A	0.00012	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:55	J
SSI0032-09 (G-EB-090509)		Water		Sampled: 09/05/09 14:00						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:59	
SSI0032-10 (G-RS5FP-090509)		Other (L)		Sampled: 09/05/09 15:00						
Mercury	7471A	0.034	0.012	0.038	mg/Kg	1x	50889	09/25/09 11:09	09/28/09 12:57	J
SSI0032-11 (G-RS4FP-090509)		Other (L)		Sampled: 09/05/09 16:08						
Mercury	7471A	0.034	0.012	0.038	mg/Kg	1x	50889	09/25/09 11:09	09/28/09 13:01	J

TestAmerica Spokane



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Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Mercury (CVAA)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-12 (G-RS3FP-090509)		Other (L)		Sampled: 09/05/09 16:35						
Mercury	7471A	0.019	0.012	0.038	mg/Kg	1x	50889	09/25/09 11:09	09/28/09 13:06	J
SSI0032-13 (G-RS3aFP-090509)		Other (L)		Sampled: 09/05/09 17:00						
Mercury	7471A	0.013	0.013	0.040	mg/Kg	1x	50889	09/25/09 11:09	09/28/09 13:10	J
SSI0032-14 (G-RS1SW-090609)		Water		Sampled: 09/06/09 09:45						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:03	
SSI0032-15 (G-RS2SW-090609)		Water		Sampled: 09/06/09 10:45						
Mercury	7470A	0.00012	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:07	J
SSI0032-16 (G-RS3SW-090609)		Water		Sampled: 09/06/09 12:00						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:12	
SSI0032-17 (G-RS3DSW-090609)		Water		Sampled: 09/06/09 11:40						
Mercury	7470A	0.000090	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:24	J
SSI0032-19 (G-RS4SW-090609)		Water		Sampled: 09/06/09 13:30						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:29	
SSI0032-20 (G-RS5SW-090609)		Water		Sampled: 09/06/09 14:00						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:33	
SSI0032-21 (G-RS6SW-090609)		Water		Sampled: 09/06/09 14:50						
Mercury	7470A	0.00012	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:37	J
SSI0032-22 (G-RS7SW-090609)		Water		Sampled: 09/06/09 15:20						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 11:03	
SSI0032-23 (G-RS8SW-090609)		Water		Sampled: 09/06/09 16:25						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	50154	09/14/09 09:02	09/14/09 12:41	

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP)

TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-05 (G-P101OFP-090409)		Other (L)		Sampled: 09/04/09 17:30						
Aluminum	6010B TMP	1500	36	120	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 16:19	
Lead	"	3.2	0.48	6.1	"	"	"	"	"	J
Arsenic	"	4.8	0.52	12	"	"	"	"	"	J
Calcium	"	570	6.1	220	"	"	"	"	"	
Antimony	"	ND	0.69	12	"	"	"	"	"	
Beryllium	"	0.055	0.0048	1.0	"	"	"	"	"	J
Chromium	"	1.8	0.19	5.2	"	"	"	"	"	J
Potassium	"	290	65	670	"	"	"	"	"	J
Selenium	"	ND	0.48	20	"	"	"	"	"	
Barium	"	24	0.061	2.0	"	"	"	"	"	
Iron	"	2300	1.9	40	"	"	"	"	"	
Silver	"	ND	0.18	4.0	"	"	"	"	"	
Magnesium	"	800	2.7	220	"	"	"	"	"	B
Nickel	"	9.7	0.32	4.0	"	"	"	"	"	
Sodium	"	780	27	400	"	"	"	"	"	
Cadmium	"	ND	0.32	2.0	"	"	"	"	"	
Copper	"	12	0.89	4.0	"	"	"	"	"	
Manganese	"	31	0.032	4.0	"	"	"	"	"	
Cobalt	"	1.8	0.13	2.0	"	"	"	"	"	J
Thallium	"	ND	0.56	20	"	"	"	"	"	
Vanadium	"	8.5	0.12	2.0	"	"	"	"	"	
Zinc	"	21	0.81	10	"	"	"	"	"	

SSI0032-10 (G-RS5FP-090509)		Other (L)		Sampled: 09/05/09 15:00						
Aluminum	6010B TMP	360	36	120	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 16:57	
Lead	"	24	0.49	6.1	"	"	"	"	"	
Arsenic	"	4.6	0.53	12	"	"	"	"	"	J
Calcium	"	470	6.1	220	"	"	"	"	"	
Antimony	"	ND	0.70	12	"	"	"	"	"	
Beryllium	"	ND	0.0049	1.0	"	"	"	"	"	
Chromium	"	2.1	0.19	5.3	"	"	"	"	"	J
Potassium	"	180	65	670	"	"	"	"	"	J
Selenium	"	1.6	0.49	20	"	"	"	"	"	J
Barium	"	7.4	0.061	2.0	"	"	"	"	"	
Iron	"	390	1.9	41	"	"	"	"	"	
Silver	"	ND	0.18	4.1	"	"	"	"	"	
Magnesium	"	68	2.7	220	"	"	"	"	"	J, B
Nickel	"	39	0.33	4.1	"	"	"	"	"	
Sodium	"	850	28	410	"	"	"	"	"	

TestAmerica Spokane



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Golder Associates, Inc.

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Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-10 (G-RS5FP-090509)		Other (L)		Sampled: 09/05/09 15:00						
Cadmium	6010B TMP	ND	0.33	2.0	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 16:57	
Copper	"	69	0.90	4.1	"	"	"	"	"	
Manganese	"	8.7	0.033	4.1	"	"	"	"	"	
Cobalt	"	0.65	0.13	2.0	"	"	"	"	"	J
Thallium	"	ND	0.57	20	"	"	"	"	"	
Vanadium	"	110	0.12	2.0	"	"	"	"	"	
Zinc	"	67	0.82	10	"	"	"	"	"	
SSI0032-11 (G-RS4FP-090509)		Other (L)		Sampled: 09/05/09 16:08						
Aluminum	6010B TMP	340	34	120	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 17:03	
Lead	"	27	0.46	5.8	"	"	"	"	"	
Arsenic	"	4.4	0.50	12	"	"	"	"	"	J
Calcium	"	340	5.8	210	"	"	"	"	"	
Antimony	"	ND	0.66	12	"	"	"	"	"	
Beryllium	"	ND	0.0046	0.97	"	"	"	"	"	
Chromium	"	2.0	0.18	5.0	"	"	"	"	"	J
Potassium	"	ND	62	640	"	"	"	"	"	
Selenium	"	0.63	0.46	19	"	"	"	"	"	J
Barium	"	5.9	0.058	1.9	"	"	"	"	"	
Iron	"	170	1.8	39	"	"	"	"	"	
Silver	"	ND	0.17	3.9	"	"	"	"	"	
Magnesium	"	48	2.6	210	"	"	"	"	"	J, B
Nickel	"	34	0.31	3.9	"	"	"	"	"	
Sodium	"	970	26	390	"	"	"	"	"	
Cadmium	"	ND	0.31	1.9	"	"	"	"	"	
Copper	"	71	0.85	3.9	"	"	"	"	"	
Manganese	"	2.9	0.031	3.9	"	"	"	"	"	J
Cobalt	"	0.56	0.12	1.9	"	"	"	"	"	J
Thallium	"	ND	0.54	19	"	"	"	"	"	
Vanadium	"	140	0.12	1.9	"	"	"	"	"	
Zinc	"	15	0.77	9.7	"	"	"	"	"	

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-12 (G-RS3FP-090509)		Other (L)		Sampled: 09/05/09 16:35						
Aluminum	6010B TMP	120	40	130	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 17:10	J
Lead	"	ND	0.54	6.7	"	"	"	"	"	
Arsenic	"	1.7	0.58	13	"	"	"	"	"	J
Calcium	"	340	6.7	250	"	"	"	"	"	
Antimony	"	ND	0.76	13	"	"	"	"	"	
Beryllium	"	ND	0.0054	1.1	"	"	"	"	"	
Chromium	"	0.47	0.21	5.8	"	"	"	"	"	J
Potassium	"	ND	72	740	"	"	"	"	"	
Selenium	"	ND	0.54	22	"	"	"	"	"	
Barium	"	3.4	0.067	2.2	"	"	"	"	"	
Iron	"	57	2.1	45	"	"	"	"	"	
Silver	"	ND	0.20	4.5	"	"	"	"	"	
Magnesium	"	53	3.0	250	"	"	"	"	"	J, B
Nickel	"	20	0.36	4.5	"	"	"	"	"	
Sodium	"	1100	31	450	"	"	"	"	"	
Cadmium	"	ND	0.36	2.2	"	"	"	"	"	
Copper	"	12	0.99	4.5	"	"	"	"	"	
Manganese	"	1.4	0.036	4.5	"	"	"	"	"	J
Cobalt	"	0.28	0.14	2.2	"	"	"	"	"	J
Thallium	"	ND	0.63	22	"	"	"	"	"	
Vanadium	"	16	0.13	2.2	"	"	"	"	"	
Zinc	"	12	0.90	11	"	"	"	"	"	

SSI0032-13 (G-RS3aFP-090509)		Other (L)		Sampled: 09/05/09 17:00						
Aluminum	6010B TMP	85	33	110	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 17:17	J
Lead	"	ND	0.44	5.6	"	"	"	"	"	
Arsenic	"	1.2	0.48	11	"	"	"	"	"	J
Calcium	"	280	5.6	200	"	"	"	"	"	
Antimony	"	ND	0.63	11	"	"	"	"	"	
Beryllium	"	ND	0.0044	0.93	"	"	"	"	"	
Chromium	"	ND	0.17	4.8	"	"	"	"	"	
Potassium	"	ND	59	610	"	"	"	"	"	
Selenium	"	ND	0.44	19	"	"	"	"	"	
Barium	"	2.2	0.056	1.9	"	"	"	"	"	
Iron	"	130	1.7	37	"	"	"	"	"	
Silver	"	ND	0.17	3.7	"	"	"	"	"	
Magnesium	"	73	2.4	200	"	"	"	"	"	J, B
Nickel	"	4.6	0.30	3.7	"	"	"	"	"	
Sodium	"	1100	25	370	"	"	"	"	"	

TestAmerica Spokane



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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-13 (G-RS3aFP-090509)		Other (L)		Sampled: 09/05/09 17:00						
Cadmium	6010B TMP	ND	0.30	1.9	mg/Kg	1x	50886	09/25/09 10:48	09/25/09 17:17	
Copper	"	4.6	0.81	3.7	"	"	"	"	"	
Manganese	"	1.2	0.030	3.7	"	"	"	"	"	J
Cobalt	"	ND	0.12	1.9	"	"	"	"	"	
Thallium	"	ND	0.52	19	"	"	"	"	"	
Vanadium	"	4.1	0.11	1.9	"	"	"	"	"	
Zinc	"	5.6	0.74	9.3	"	"	"	"	"	J

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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-01 (G-HC1R-090409)		Water		Sampled: 09/04/09 09:00						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:34	
Sodium	"	1.1	0.18	2.0	"	"	"	"	"	J
Calcium	"	12	0.028	1.1	"	"	"	"	"	
Manganese	"	0.0085	0.0017	0.020	"	"	"	"	"	J
Potassium	"	0.74	0.41	3.3	"	"	"	"	"	J
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	2.5	0.23	1.1	"	"	"	"	"	
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:40	
Sodium	"	2.4	0.18	2.0	"	"	"	"	"	
Calcium	"	61	0.028	1.1	"	"	"	"	"	
Manganese	"	3.8	0.0017	0.020	"	"	"	"	"	
Potassium	"	2.9	0.41	3.3	"	"	"	"	"	J
Iron	"	38	0.032	0.20	"	"	"	"	"	
Magnesium	"	8.7	0.23	1.1	"	"	"	"	"	
SSI0032-03 (G-EW4-090409)		Water		Sampled: 09/04/09 13:20						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:44	
Sodium	"	2.5	0.18	2.0	"	"	"	"	"	
Calcium	"	29	0.028	1.1	"	"	"	"	"	
Manganese	"	0.18	0.0017	0.020	"	"	"	"	"	
Potassium	"	0.90	0.41	3.3	"	"	"	"	"	J
Iron	"	23	0.032	0.20	"	"	"	"	"	
Magnesium	"	8.0	0.23	1.1	"	"	"	"	"	
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:49	
Sodium	"	3.3	0.18	2.0	"	"	"	"	"	
Calcium	"	69	0.028	1.1	"	"	"	"	"	
Manganese	"	1.4	0.0017	0.020	"	"	"	"	"	
Potassium	"	3.2	0.41	3.3	"	"	"	"	"	J
Iron	"	20	0.032	0.20	"	"	"	"	"	
Magnesium	"	11	0.23	1.1	"	"	"	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell


Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:54	
Sodium	"	3.5	0.18	2.0	"	"	"	"	"	
Calcium	"	70	0.028	1.1	"	"	"	"	"	
Manganese	"	2.0	0.0017	0.020	"	"	"	"	"	
Potassium	"	3.4	0.41	3.3	"	"	"	"	"	
Iron	"	7.8	0.032	0.20	"	"	"	"	"	
Magnesium	"	11	0.23	1.1	"	"	"	"	"	
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:58	
Sodium	"	2.4	0.18	2.0	"	"	"	"	"	
Calcium	"	34	0.028	1.1	"	"	"	"	"	
Manganese	"	2.2	0.0017	0.020	"	"	"	"	"	
Potassium	"	1.5	0.41	3.3	"	"	"	"	"	J
Iron	"	19	0.032	0.20	"	"	"	"	"	
Magnesium	"	6.9	0.23	1.1	"	"	"	"	"	
SSI0032-08 (G-EMW06-090509)		Water		Sampled: 09/05/09 13:25						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:03	
Sodium	"	2.6	0.18	2.0	"	"	"	"	"	
Calcium	"	36	0.028	1.1	"	"	"	"	"	
Manganese	"	1.0	0.0017	0.020	"	"	"	"	"	
Potassium	"	1.4	0.41	3.3	"	"	"	"	"	J
Iron	"	12	0.032	0.20	"	"	"	"	"	
Magnesium	"	7.8	0.23	1.1	"	"	"	"	"	
SSI0032-09 (G-EB-090509)		Water		Sampled: 09/05/09 14:00						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:08	
Sodium	"	ND	0.18	2.0	"	"	"	"	"	
Calcium	"	ND	0.028	1.1	"	"	"	"	"	
Manganese	"	ND	0.0017	0.020	"	"	"	"	"	
Potassium	"	ND	0.41	3.3	"	"	"	"	"	
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	ND	0.23	1.1	"	"	"	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-14 (G-RS1SW-090609)		Water		Sampled: 09/06/09 09:45						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:12	
Sodium	"	1.1	0.18	2.0	"	"	"	"	"	J
Calcium	"	12	0.028	1.1	"	"	"	"	"	
Manganese	"	ND	0.0017	0.020	"	"	"	"	"	
Potassium	"	0.66	0.41	3.3	"	"	"	"	"	J
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	2.5	0.23	1.1	"	"	"	"	"	
SSI0032-15 (G-RS2SW-090609)		Water		Sampled: 09/06/09 10:45						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:18	
Sodium	"	1.1	0.18	2.0	"	"	"	"	"	J
Calcium	"	12	0.028	1.1	"	"	"	"	"	
Manganese	"	ND	0.0017	0.020	"	"	"	"	"	
Potassium	"	0.67	0.41	3.3	"	"	"	"	"	J
Iron	"	0.051	0.032	0.20	"	"	"	"	"	J
Magnesium	"	2.4	0.23	1.1	"	"	"	"	"	
SSI0032-16 (G-RS3SW-090609)		Water		Sampled: 09/06/09 12:00						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:32	
Sodium	"	1.0	0.18	2.0	"	"	"	"	"	J
Calcium	"	11	0.028	1.1	"	"	"	"	"	
Manganese	"	ND	0.0017	0.020	"	"	"	"	"	
Potassium	"	0.68	0.41	3.3	"	"	"	"	"	J
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	2.4	0.23	1.1	"	"	"	"	"	
SSI0032-17 (G-RS3DSW-090609)		Water		Sampled: 09/06/09 11:40						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:37	
Sodium	"	0.99	0.18	2.0	"	"	"	"	"	J
Calcium	"	11	0.028	1.1	"	"	"	"	"	
Manganese	"	ND	0.0017	0.020	"	"	"	"	"	
Potassium	"	0.64	0.41	3.3	"	"	"	"	"	J
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	2.3	0.23	1.1	"	"	"	"	"	

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-19 (G-RS4SW-090609)		Water		Sampled: 09/06/09 13:30						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:43	
Sodium	"	1.0	0.18	2.0	"	"	"	"	"	J
Calcium	"	11	0.028	1.1	"	"	"	"	"	
Manganese	"	0.011	0.0017	0.020	"	"	"	"	"	J
Potassium	"	0.66	0.41	3.3	"	"	"	"	"	J
Iron	"	0.041	0.032	0.20	"	"	"	"	"	J
Magnesium	"	2.3	0.23	1.1	"	"	"	"	"	
SSI0032-20 (G-RS5SW-090609)		Water		Sampled: 09/06/09 14:00						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:49	
Sodium	"	1.2	0.18	2.0	"	"	"	"	"	J
Calcium	"	15	0.028	1.1	"	"	"	"	"	
Manganese	"	0.16	0.0017	0.020	"	"	"	"	"	
Potassium	"	0.76	0.41	3.3	"	"	"	"	"	J
Iron	"	1.7	0.032	0.20	"	"	"	"	"	
Magnesium	"	3.0	0.23	1.1	"	"	"	"	"	
SSI0032-21 (G-RS6SW-090609)		Water		Sampled: 09/06/09 14:50						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 13:54	
Sodium	"	1.0	0.18	2.0	"	"	"	"	"	J
Calcium	"	11	0.028	1.1	"	"	"	"	"	
Manganese	"	0.011	0.0017	0.020	"	"	"	"	"	J
Potassium	"	0.68	0.41	3.3	"	"	"	"	"	J
Iron	"	0.068	0.032	0.20	"	"	"	"	"	J
Magnesium	"	2.3	0.23	1.1	"	"	"	"	"	
SSI0032-22 (G-RS7SW-090609)		Water		Sampled: 09/06/09 15:20						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 12:03	
Sodium	"	1.0	0.18	2.0	"	"	"	"	"	J
Calcium	"	11	0.028	1.1	"	"	"	"	"	
Manganese	"	0.0076	0.0017	0.020	"	"	"	"	"	J
Potassium	"	0.69	0.41	3.3	"	"	"	"	"	J
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	2.3	0.23	1.1	"	"	"	"	"	

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Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-23 (G-RS8SW-090609)		Water		Sampled: 09/06/09 16:25						
Aluminum	6010B Total Recoverable	ND	0.31	0.50	mg/L	1x	50495	09/18/09 11:30	09/21/09 14:00	
Sodium	"	1.0	0.18	2.0	"	"	"	"	"	J
Calcium	"	11	0.028	1.1	"	"	"	"	"	
Manganese	"	0.0019	0.0017	0.020	"	"	"	"	"	J
Potassium	"	0.68	0.41	3.3	"	"	"	"	"	J
Iron	"	ND	0.032	0.20	"	"	"	"	"	
Magnesium	"	2.3	0.23	1.1	"	"	"	"	"	

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Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-01 (G-HC1R-090409)		Water		Sampled: 09/04/09 09:00						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 09:32	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.0014	0.00040	0.0020	"	"	"	"	"	J
Chromium	"	0.00052	0.00037	0.0020	"	"	"	"	"	J
Nickel	"	0.00044	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0081	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00082	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-02 (G-EW3-090409)		Water		Sampled: 09/04/09 11:20						
Arsenic	6020 Total Recoverable	0.037	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 09:37	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.00095	0.00040	0.0020	"	"	"	"	"	J
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.0014	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.097	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	0.0011	0.00016	0.0020	"	"	"	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00083	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

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18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-03 (G-EW4-090409)		Water		Sampled: 09/04/09 13:20						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 09:42	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.00074	0.00040	0.0020	"	"	"	"	"	J
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.0012	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.023	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	0.00045	0.00016	0.0020	"	"	"	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00084	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	1.2	0.0020	0.0070	"	"	"	"	"	
SSI0032-04 (G-EMW4-090409)		Water		Sampled: 09/04/09 15:35						
Arsenic	6020 Total Recoverable	0.015	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 09:47	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.00062	0.00040	0.0020	"	"	"	"	"	J
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.0013	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.062	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	0.00060	0.00016	0.0020	"	"	"	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00081	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

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18300 NE Union Hill Rd. Suite 200
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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Arsenic	6020 Total Recoverable	0.0063	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 09:53	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	0.00078	0.00040	0.0020	"	"	"	"	"	J
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.0020	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.094	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	0.0012	0.00016	0.0020	"	"	"	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.0013	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Arsenic	6020 Total Recoverable	0.052	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 09:58	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00085	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.057	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	0.00042	0.00016	0.0020	"	"	"	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00077	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-08 (G-EMW06-090509)		Water		Sampled: 09/05/09 13:25						
Arsenic	6020 Total Recoverable	0.023	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:03	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00073	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.045	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00064	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-09 (G-EB-090509)		Water		Sampled: 09/05/09 14:00						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:08	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00037	0.00022	0.0020	"	"	"	"	"	J
Barium	"	ND	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00066	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-14 (G-RS1SW-090609)		Water		Sampled: 09/06/09 09:45						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:14	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	0.00046	0.00037	0.0020	"	"	"	"	"	J
Nickel	"	0.00053	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0079	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00075	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	0.00028	0.00023	0.0020	"	"	"	"	"	J
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-15 (G-RS2SW-090609)		Water		Sampled: 09/06/09 10:45						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:19	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00052	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0081	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00090	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

TestAmerica Spokane



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Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-16 (G-RS3SW-090609)		Water		Sampled: 09/06/09 12:00						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:35	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00046	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0072	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00074	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-17 (G-RS3DSW-090609)		Water		Sampled: 09/06/09 11:40						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:40	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00043	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0077	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00075	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

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Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-19 (G-RS4SW-090609)		Water		Sampled: 09/06/09 13:30						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:45	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	0.00044	0.00037	0.0020	"	"	"	"	"	J
Nickel	"	0.00038	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0079	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00078	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	0.00014	0.000060	0.0040	"	"	"	"	"	J
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-20 (G-RS5SW-090609)		Water		Sampled: 09/06/09 14:00						
Arsenic	6020 Total Recoverable	0.00052	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:51	J
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	ND	0.00037	0.0020	"	"	"	"	"	
Nickel	"	0.00058	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.013	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00080	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-21 (G-RS6SW-090609)		Water		Sampled: 09/06/09 14:50						
Arsenic	6020 Total Recoverable	0.0011	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 10:56	J
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	0.00038	0.00037	0.0020	"	"	"	"	"	J
Nickel	"	0.00046	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0080	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00084	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	
SSI0032-22 (G-RS7SW-090609)		Water		Sampled: 09/06/09 15:20						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 08:39	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	0.00042	0.00037	0.0020	"	"	"	"	"	J
Nickel	"	0.00047	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0076	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00076	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

TestAmerica Spokane



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18300 NE Union Hill Rd. Suite 200
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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-23 (G-RS8SW-090609)		Water		Sampled: 09/06/09 16:25						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	50495	09/18/09 11:30	09/21/09 11:01	
Cadmium	"	ND	0.00014	0.0020	"	"	"	"	"	
Lead	"	ND	0.00017	0.0020	"	"	"	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	"	"	"	
Chromium	"	0.00051	0.00037	0.0020	"	"	"	"	"	J
Nickel	"	0.00039	0.00022	0.0020	"	"	"	"	"	J
Barium	"	0.0072	0.00027	0.0060	"	"	"	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	"	"	"	
Selenium	"	ND	0.00034	0.0020	"	"	"	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	"	"	"	
Copper	"	0.00077	0.00015	0.0050	"	"	"	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	"	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	"	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	"	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	"	"	"	

TestAmerica Spokane



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18300 NE Union Hill Rd. Suite 200
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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
PCB-1016	8082 STD	ND	0.0042	0.047	ug/L	1x	50020	09/10/09 15:12	10/20/09 16:53	
PCB-1232	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1221	"	ND	0.0058	0.047	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1248	"	ND	0.0067	0.047	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.047	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.047	"	"	"	"	"	
SSI0032-06RE1 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
PCB-1016	8082 STD	ND	0.042	0.47	ug/L	1x	51857	10/12/09 15:10	10/13/09 17:16	
PCB-1232	"	ND	0.039	0.47	"	"	"	"	"	
PCB-1221	"	ND	0.058	0.47	"	"	"	"	"	
PCB-1242	"	ND	0.039	0.47	"	"	"	"	"	
PCB-1248	"	ND	0.067	0.47	"	"	"	"	"	
PCB-1254	"	ND	0.042	0.47	"	"	"	"	"	
PCB-1260	"	ND	0.037	0.47	"	"	"	"	"	
SSI0032-06RE2 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
PCB-1016	8082 STD	ND	0.0042	0.047	ug/L	1x	52716	10/12/09 15:10	10/23/09 15:15	
PCB-1232	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1221	"	ND	0.0058	0.047	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1248	"	ND	0.0067	0.047	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.047	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.047	"	"	"	"	"	
<i>Surrogate(s): Tetrachloro-m-xylene</i>			59%		60 - 150 %	"			"	X
<i>DCB Decachlorobiphenyl</i>			33%		40 - 135 %	"			"	X
SSI0032-09 (G-EB-090509)		Water		Sampled: 09/05/09 14:00						
PCB-1016	8082 STD	ND	0.0042	0.047	ug/L	1x	50020	09/10/09 15:12	10/20/09 17:09	
PCB-1232	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1221	"	ND	0.0058	0.047	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1248	"	ND	0.0067	0.047	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.047	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.047	"	"	"	"	"	

TestAmerica Spokane



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18300 NE Union Hill Rd. Suite 200
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Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-09RE1 (G-EB-090509)

Water

Sampled: 09/05/09 14:00

PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	52716	10/12/09 15:10	10/23/09 15:30	
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1221	"	ND	0.0060	0.048	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"	
PCB-1260	"	ND	0.0038	0.048	"	"	"	"	"	

Surrogate(s): *Tetrachloro-m-xylene*
DCB Decachlorobiphenyl

69%
66%

60 - 150 %
40 - 135 %

"
"

"
"

SSI0032-14 (G-RS1SW-090609)

Water

Sampled: 09/06/09 09:45

PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	50020	09/10/09 15:12	10/20/09 17:24	
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1221	"	ND	0.0060	0.048	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"	
PCB-1260	"	ND	0.0038	0.048	"	"	"	"	"	

SSI0032-14RE1 (G-RS1SW-090609)

Water

Sampled: 09/06/09 09:45

PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	52716	10/12/09 15:10	10/23/09 15:46	
PCB-1232	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1221	"	ND	0.0062	0.050	"	"	"	"	"	
PCB-1242	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1248	"	ND	0.0071	0.050	"	"	"	"	"	
PCB-1254	"	ND	0.0044	0.050	"	"	"	"	"	
PCB-1260	"	ND	0.0039	0.050	"	"	"	"	"	

Surrogate(s): *Tetrachloro-m-xylene*
DCB Decachlorobiphenyl

63%
62%

60 - 150 %
40 - 135 %

"
"

"
"

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:


11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-15 (G-RS2SW-090609)		Water		Sampled: 09/06/09 10:45						
PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	50020	09/10/09 15:12	10/20/09 17:40	
PCB-1232	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1221	"	ND	0.0061	0.050	"	"	"	"	"	
PCB-1242	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1248	"	ND	0.0070	0.050	"	"	"	"	"	
PCB-1254	"	ND	0.0044	0.050	"	"	"	"	"	
PCB-1260	"	ND	0.0039	0.050	"	"	"	"	"	
SSI0032-15RE1 (G-RS2SW-090609)		Water		Sampled: 09/06/09 10:45						
PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	52716	10/12/09 15:10	10/23/09 16:01	
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1221	"	ND	0.0059	0.048	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.048	"	"	"	"	"	
<i>Surrogate(s): Tetrachloro-m-xylene</i>			72%		60 - 150 %	"			"	
<i>DCB Decachlorobiphenyl</i>			67%		40 - 135 %	"			"	
SSI0032-16 (G-RS3SW-090609)		Water		Sampled: 09/06/09 12:00						
PCB-1016	8082 STD	ND	0.0042	0.047	ug/L	1x	50020	09/10/09 15:12	10/20/09 17:55	
PCB-1232	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1221	"	ND	0.0058	0.047	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1248	"	ND	0.0067	0.047	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.047	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.047	"	"	"	"	"	
SSI0032-16RE1 (G-RS3SW-090609)		Water		Sampled: 09/06/09 12:00						
PCB-1016	8082 STD	ND	0.0044	0.049	ug/L	1x	52716	10/12/09 15:10	10/23/09 16:17	
PCB-1232	"	ND	0.0040	0.049	"	"	"	"	"	
PCB-1221	"	ND	0.0060	0.049	"	"	"	"	"	
PCB-1242	"	ND	0.0040	0.049	"	"	"	"	"	
PCB-1248	"	ND	0.0069	0.049	"	"	"	"	"	
PCB-1254	"	ND	0.0043	0.049	"	"	"	"	"	
PCB-1260	"	ND	0.0038	0.049	"	"	"	"	"	
<i>Surrogate(s): Tetrachloro-m-xylene</i>			67%		60 - 150 %	"			"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-16RE1 (G-RS3SW-090609)

Water

Sampled: 09/06/09 12:00

DCB Decachlorobiphenyl

61%

40 - 135 % 1x

10/23/09 16:17

SSI0032-17 (G-RS3DSW-090609)

Water

Sampled: 09/06/09 11:40

PCB-1016	8082 STD	ND	0.0042	0.047	ug/L	1x	50020	09/10/09 15:12	10/20/09 18:11
PCB-1232	"	ND	0.0039	0.047	"	"	"	"	"
PCB-1221	"	ND	0.0058	0.047	"	"	"	"	"
PCB-1242	"	ND	0.0039	0.047	"	"	"	"	"
PCB-1248	"	ND	0.0067	0.047	"	"	"	"	"
PCB-1254	"	ND	0.0042	0.047	"	"	"	"	"
PCB-1260	"	ND	0.0037	0.047	"	"	"	"	"

SSI0032-17RE1 (G-RS3DSW-090609)

Water

Sampled: 09/06/09 11:40

PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	52716	10/12/09 15:10	10/23/09 16:32
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"
PCB-1221	"	ND	0.0059	0.048	"	"	"	"	"
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"
PCB-1260	"	ND	0.0037	0.048	"	"	"	"	"

Surrogate(s): *Tetrachloro-m-xylene*
DCB Decachlorobiphenyl

71%

69%

60 - 150 % "

40 - 135 % "

"

"


SSI0032-19 (G-RS4SW-090609)

Water

Sampled: 09/06/09 13:30

PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	50020	09/10/09 15:12	10/20/09 18:26
PCB-1232	"	ND	0.0041	0.050	"	"	"	"	"
PCB-1221	"	ND	0.0061	0.050	"	"	"	"	"
PCB-1242	"	ND	0.0041	0.050	"	"	"	"	"
PCB-1248	"	ND	0.0070	0.050	"	"	"	"	"
PCB-1254	"	ND	0.0044	0.050	"	"	"	"	"
PCB-1260	"	ND	0.0039	0.050	"	"	"	"	"

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-19RE1 (G-RS4SW-090609)		Water		Sampled: 09/06/09 13:30						
PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	52716	10/12/09 15:10	10/23/09 16:48	
PCB-1232	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1221	"	ND	0.0061	0.050	"	"	"	"	"	
PCB-1242	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1248	"	ND	0.0070	0.050	"	"	"	"	"	
PCB-1254	"	ND	0.0044	0.050	"	"	"	"	"	
PCB-1260	"	ND	0.0039	0.050	"	"	"	"	"	
Surrogate(s): Tetrachloro-m-xylene			65%			60 - 150 %	"			"
DCB Decachlorobiphenyl			61%			40 - 135 %	"			"
SSI0032-20 (G-RS5SW-090609)		Water		Sampled: 09/06/09 14:00						
PCB-1016	8082 STD	ND	0.0049	0.054	ug/L	1x	50020	09/10/09 15:12	10/20/09 18:42	
PCB-1232	"	ND	0.0044	0.054	"	"	"	"	"	
PCB-1221	"	ND	0.0067	0.054	"	"	"	"	"	
PCB-1242	"	ND	0.0044	0.054	"	"	"	"	"	
PCB-1248	"	ND	0.0077	0.054	"	"	"	"	"	
PCB-1254	"	ND	0.0048	0.054	"	"	"	"	"	
PCB-1260	"	ND	0.0042	0.054	"	"	"	"	"	
SSI0032-20RE1 (G-RS5SW-090609)		Water		Sampled: 09/06/09 14:00						
PCB-1016	8082 STD	ND	0.0042	0.047	ug/L	1x	52716	10/12/09 15:10	10/23/09 17:03	
PCB-1232	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1221	"	ND	0.0058	0.047	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.047	"	"	"	"	"	
PCB-1248	"	ND	0.0067	0.047	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.047	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.047	"	"	"	"	"	
Surrogate(s): Tetrachloro-m-xylene			61%			60 - 150 %	"			"
DCB Decachlorobiphenyl			60%			40 - 135 %	"			"

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-21 (G-RS6SW-090609)

Water

Sampled: 09/06/09 14:50

PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	50020	09/10/09 15:12	10/20/09 18:57	
PCB-1232	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1221	"	ND	0.0062	0.050	"	"	"	"	"	
PCB-1242	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1248	"	ND	0.0071	0.050	"	"	"	"	"	
PCB-1254	"	ND	0.0044	0.050	"	"	"	"	"	
PCB-1260	"	ND	0.0039	0.050	"	"	"	"	"	

SSI0032-21RE1 (G-RS6SW-090609)

Water

Sampled: 09/06/09 14:50

PCB-1016	8082 STD	ND	0.045	0.50	ug/L	1x	51857	10/12/09 15:10	10/13/09 19:35	
PCB-1232	"	ND	0.041	0.50	"	"	"	"	"	
PCB-1221	"	ND	0.062	0.50	"	"	"	"	"	
PCB-1242	"	ND	0.041	0.50	"	"	"	"	"	
PCB-1248	"	ND	0.071	0.50	"	"	"	"	"	
PCB-1254	"	ND	0.044	0.50	"	"	"	"	"	
PCB-1260	"	ND	0.039	0.50	"	"	"	"	"	

SSI0032-21RE2 (G-RS6SW-090609)

Water

Sampled: 09/06/09 14:50

PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	52716	10/12/09 15:10	10/23/09 17:34	
PCB-1232	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1221	"	ND	0.0062	0.050	"	"	"	"	"	
PCB-1242	"	ND	0.0041	0.050	"	"	"	"	"	
PCB-1248	"	ND	0.0071	0.050	"	"	"	"	"	
PCB-1254	"	ND	0.0044	0.050	"	"	"	"	"	
PCB-1260	"	ND	0.0039	0.050	"	"	"	"	"	

Surrogate(s): *Tetrachloro-m-xylene*
DCB Decachlorobiphenyl

56%
53%

60 - 150 %
40 - 135 %

"
"

"
" X

SSI0032-22 (G-RS7SW-090609)

Water

Sampled: 09/06/09 15:20

PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	50020	09/10/09 15:12	10/20/09 19:28	
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1221	"	ND	0.0059	0.048	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.048	"	"	"	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-22RE1 (G-RS7SW-090609)

Water

Sampled: 09/06/09 15:20

PCB-1016	8082 STD	ND	0.0044	0.049	ug/L	1x	52716	10/12/09 15:10	10/23/09 17:50	
PCB-1232	"	ND	0.0040	0.049	"	"	"	"	"	
PCB-1221	"	ND	0.0060	0.049	"	"	"	"	"	
PCB-1242	"	ND	0.0040	0.049	"	"	"	"	"	
PCB-1248	"	ND	0.0069	0.049	"	"	"	"	"	
PCB-1254	"	ND	0.0043	0.049	"	"	"	"	"	
PCB-1260	"	ND	0.0038	0.049	"	"	"	"	"	

Surrogate(s): *Tetrachloro-m-xylene*
DCB Decachlorobiphenyl

61% 60 - 150 % "
61% 40 - 135 % "

"
"

SSI0032-23 (G-RS8SW-090609)

Water

Sampled: 09/06/09 16:25

PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	50020	09/10/09 15:12	10/20/09 19:44	
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1221	"	ND	0.0059	0.048	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.048	"	"	"	"	"	

SSI0032-23RE1 (G-RS8SW-090609)

Water

Sampled: 09/06/09 16:25

PCB-1016	8082 STD	ND	0.0043	0.048	ug/L	1x	52716	10/12/09 15:10	10/23/09 18:36	
PCB-1232	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1221	"	ND	0.0059	0.048	"	"	"	"	"	
PCB-1242	"	ND	0.0039	0.048	"	"	"	"	"	
PCB-1248	"	ND	0.0068	0.048	"	"	"	"	"	
PCB-1254	"	ND	0.0042	0.048	"	"	"	"	"	
PCB-1260	"	ND	0.0037	0.048	"	"	"	"	"	

Surrogate(s): *Tetrachloro-m-xylene*
DCB Decachlorobiphenyl

68% 60 - 150 % "
66% 40 - 135 % "

"
"

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma


Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-01 (G-HC1R-090409)		Water Sampled: 09/04/09 09:00								
Naphthalene	8270C STD	0.078	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 14:32	B
2-Methylnaphthalene	"	0.012	0.0028	0.012	"	"	"	"	"	B
1-Methylnaphthalene	"	0.069	0.0011	0.0094	"	"	"	"	"	B
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	0.027	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.036	0.00075	0.0094	"	"	"	"	"	B
Chrysene	"	ND	0.0020	0.0094	"	"	"	"	"	
Acenaphthene	"	0.21	0.00094	0.0094	"	"	"	"	"	B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.0070	0.0015	0.0094	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.12	0.0011	0.0094	"	"	"	"	"	B
Pyrene	"	0.014	0.0016	0.0094	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0099	0.0010	0.0094	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5		113%			40 - 110 %	"		"		X.1
2-Fluorobiphenyl		55%			50 - 110 %	"		"		
Terphenyl-d14		90%			50 - 135 %	"		"		

SSI0032-02 (G-EW3-090409)

		Water Sampled: 09/04/09 11:20								
Naphthalene	8270C STD	0.017	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 15:36	B
2-Methylnaphthalene	"	0.0074	0.0028	0.012	"	"	"	"	"	J, B
1-Methylnaphthalene	"	0.045	0.0011	0.0094	"	"	"	"	"	B
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	0.0055	0.0010	0.0094	"	"	"	"	"	J
Anthracene	"	0.0096	0.00075	0.0094	"	"	"	"	"	B
Chrysene	"	0.0023	0.0020	0.0094	"	"	"	"	"	J
Acenaphthene	"	0.040	0.00094	0.0094	"	"	"	"	"	B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.014	0.0015	0.0094	"	"	"	"	"	B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.054	0.0011	0.0094	"	"	"	"	"	B
Pyrene	"	0.033	0.0016	0.0094	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.036	0.0010	0.0094	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-02 (G-EW3-090409)

Water

Sampled: 09/04/09 11:20

Dibenz(a,h)anthracene	8270C STD	ND	0.0017	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 15:36	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			98%			40 - 110 %	"		"	
2-Fluorobiphenyl			72%			50 - 110 %	"		"	
Terphenyl-d14			94%			50 - 135 %	"		"	

SSI0032-03 (G-EW4-090409)

Water

Sampled: 09/04/09 13:20

Naphthalene	8270C STD	0.0055	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 15:56	J, B
2-Methylnaphthalene	"	ND	0.0028	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0026	0.0011	0.0094	"	"	"	"	"	J, B
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	ND	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.0018	0.00075	0.0094	"	"	"	"	"	J, B
Chrysene	"	ND	0.0020	0.0094	"	"	"	"	"	
Acenaphthene	"	0.0041	0.00094	0.0094	"	"	"	"	"	J, B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.0020	0.0015	0.0094	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.0023	0.0011	0.0094	"	"	"	"	"	J, B
Pyrene	"	0.0020	0.0016	0.0094	"	"	"	"	"	J, B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0037	0.0010	0.0094	"	"	"	"	"	J, B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			101%			40 - 110 %	"		"	
2-Fluorobiphenyl			77%			50 - 110 %	"		"	
Terphenyl-d14			97%			50 - 135 %	"		"	

SSI0032-04 (G-EMW04-090409)


Water

Sampled: 09/04/09 15:35

Naphthalene	8270C STD	0.042	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 16:16	B
2-Methylnaphthalene	"	0.066	0.0028	0.012	"	"	"	"	"	B
1-Methylnaphthalene	"	0.034	0.0011	0.0094	"	"	"	"	"	B
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	0.0073	0.0010	0.0094	"	"	"	"	"	J
Anthracene	"	0.017	0.00075	0.0094	"	"	"	"	"	B
Chrysene	"	0.0052	0.0020	0.0094	"	"	"	"	"	J
Acenaphthene	"	0.049	0.00094	0.0094	"	"	"	"	"	B

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-04 (G-EMW04-090409)		Water		Sampled: 09/04/09 15:35						
Benzo[b]fluoranthene	8270C STD	ND	0.0025	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 16:16	
Fluoranthene	"	0.0075	0.0015	0.0094	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.078	0.0011	0.0094	"	"	"	"	"	B
Pyrene	"	0.015	0.0016	0.0094	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.014	0.0010	0.0094	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
<i>Surrogate(s): Nitrobenzene-d5</i>			131%		40 - 110 %	"			"	X. I
<i>2-Fluorobiphenyl</i>			59%		50 - 110 %	"			"	
<i>Terphenyl-d14</i>			103%		50 - 135 %	"			"	

SSI0032-06 (G-GA1-090509)		Water		Sampled: 09/05/09 09:40						
Naphthalene	8270C STD	0.039	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 16:36	B
2-Methylnaphthalene	"	0.0077	0.0028	0.012	"	"	"	"	"	J, B
1-Methylnaphthalene	"	0.077	0.0011	0.0094	"	"	"	"	"	B
Benzo[a]anthracene	"	0.0024	0.0023	0.0094	"	"	"	"	"	J
Acenaphthylene	"	0.042	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.033	0.00075	0.0094	"	"	"	"	"	B
Chrysene	"	0.0065	0.0020	0.0094	"	"	"	"	"	J
Acenaphthene	"	0.20	0.00094	0.0094	"	"	"	"	"	B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.018	0.0015	0.0094	"	"	"	"	"	B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.47	0.0011	0.0094	"	"	"	"	"	B
Pyrene	"	0.019	0.0016	0.0094	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.040	0.0010	0.0094	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
<i>Surrogate(s): Nitrobenzene-d5</i>			115%		40 - 110 %	"			"	X. I
<i>2-Fluorobiphenyl</i>			77%		50 - 110 %	"			"	
<i>Terphenyl-d14</i>			100%		50 - 135 %	"			"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-07 (G-EMW05-090509)		Water		Sampled: 09/05/09 11:25						
Naphthalene	8270C STD	2.4	0.0035	0.0096	ug/L	1x	50020	09/10/09 15:12	09/15/09 16:56	B
2-Methylnaphthalene	"	1.6	0.0029	0.012	"	"	"	"	"	B
1-Methylnaphthalene	"	9.7	0.012	0.096	"	10x	"	"	09/17/09 19:12	
Benzo[a]anthracene	"	ND	0.0023	0.0096	"	1x	"	"	09/15/09 16:56	
Acenaphthylene	"	0.13	0.0011	0.0096	"	"	"	"	"	
Anthracene	"	0.19	0.00077	0.0096	"	"	"	"	"	B
Chrysene	"	0.0024	0.0020	0.0096	"	"	"	"	"	J
Acenaphthene	"	1.0	0.00096	0.0096	"	"	"	"	"	B
Benzo[b]fluoranthene	"	ND	0.0025	0.0096	"	"	"	"	"	
Fluoranthene	"	0.048	0.0015	0.0096	"	"	"	"	"	B
Benzo[k]fluoranthene	"	ND	0.0023	0.0096	"	"	"	"	"	
Fluorene	"	1.3	0.0012	0.0096	"	"	"	"	"	B
Pyrene	"	0.055	0.0016	0.0096	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	1.3	0.0011	0.0096	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0096	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0096	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0096	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5		91%		40 - 110 %		"		"		
2-Fluorobiphenyl		34%		50 - 110 %		"		"		X. I
Terphenyl-d14		94%		50 - 135 %		"		"		

SSI0032-08 (G-EMW06-090509)

		Water		Sampled: 09/05/09 13:25						
Naphthalene	8270C STD	5.8	0.034	0.094	ug/L	10x	50020	09/10/09 15:12	09/17/09 19:32	
2-Methylnaphthalene	"	6.7	0.0028	0.012	"	1x	"	"	09/15/09 17:17	B
1-Methylnaphthalene	"	14	0.011	0.094	"	10x	"	"	09/17/09 19:32	
Benzo[a]anthracene	"	0.0040	0.0023	0.0094	"	1x	"	"	09/15/09 17:17	J
Acenaphthylene	"	0.25	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.26	0.00075	0.0094	"	"	"	"	"	B
Chrysene	"	0.0068	0.0020	0.0094	"	"	"	"	"	J
Acenaphthene	"	1.6	0.00094	0.0094	"	"	"	"	"	B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.060	0.0015	0.0094	"	"	"	"	"	B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	2.3	0.0011	0.0094	"	"	"	"	"	B
Pyrene	"	0.074	0.0016	0.0094	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	2.0	0.0010	0.0094	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-08 (G-EMW06-090509)

Water

Sampled: 09/05/09 13:25

Dibenz(a,h)anthracene	8270C STD	ND	0.0017	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 17:17	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			109%			40 - 110 %	"		"	
2-Fluorobiphenyl			51%			50 - 110 %	"		"	
Terphenyl-d14			103%			50 - 135 %	"		"	

SSI0032-09 (G-EB-090509)

Water

Sampled: 09/05/09 14:00

Naphthalene	8270C STD	0.021	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/17/09 18:32	
2-Methylnaphthalene	"	0.013	0.0028	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0098	0.0011	0.0094	"	"	"	"	"	
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	ND	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.0012	0.00075	0.0094	"	"	"	"	"	J
Chrysene	"	ND	0.0020	0.0094	"	"	"	"	"	
Acenaphthene	"	0.038	0.00094	0.0094	"	"	"	"	"	
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.0019	0.0015	0.0094	"	"	"	"	"	J
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.0034	0.0011	0.0094	"	"	"	"	"	J
Pyrene	"	ND	0.0016	0.0094	"	"	"	"	"	
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0047	0.0010	0.0094	"	"	"	"	"	J
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			103%			40 - 110 %	"		"	
2-Fluorobiphenyl			86%			50 - 110 %	"		"	
Terphenyl-d14			105%			50 - 135 %	"		"	

SSI0032-14 (G-RS1SW-090609)

Water

Sampled: 09/06/09 09:45

Naphthalene	8270C STD	ND	0.0035	0.0096	ug/L	1x	50020	09/10/09 15:12	09/17/09 18:52	
2-Methylnaphthalene	"	ND	0.0029	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0024	0.0012	0.0096	"	"	"	"	"	J
Benzo[a]anthracene	"	ND	0.0023	0.0096	"	"	"	"	"	
Acenaphthylene	"	ND	0.0011	0.0096	"	"	"	"	"	
Anthracene	"	0.0011	0.00077	0.0096	"	"	"	"	"	J
Chrysene	"	ND	0.0020	0.0096	"	"	"	"	"	
Acenaphthene	"	0.0012	0.00096	0.0096	"	"	"	"	"	J

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-14 (G-RS1SW-090609)		Water		Sampled: 09/06/09 09:45						
Benzo[b]fluoranthene	8270C STD	ND	0.0025	0.0096	ug/L	1x	50020	09/10/09 15:12	09/17/09 18:52	
Fluoranthene	"	0.0020	0.0015	0.0096	"	"	"	"	"	J
Benzo[k]fluoranthene	"	ND	0.0023	0.0096	"	"	"	"	"	
Fluorene	"	0.0026	0.0012	0.0096	"	"	"	"	"	J
Pyrene	"	ND	0.0016	0.0096	"	"	"	"	"	
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0040	0.0011	0.0096	"	"	"	"	"	J
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0096	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0096	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0096	"	"	"	"	"	

Surrogate(s): Nitrobenzene-d5	103%	40 - 110 %	"	"
2-Fluorobiphenyl	87%	50 - 110 %	"	"
Terphenyl-d14	102%	50 - 135 %	"	"

SSI0032-15 (G-RS2SW-090609)		Water		Sampled: 09/06/09 10:45						
Naphthalene	8270C STD	ND	0.0036	0.0099	ug/L	1x	50020	09/10/09 15:12	09/15/09 18:17	
2-Methylnaphthalene	"	ND	0.0030	0.013	"	"	"	"	"	
1-Methylnaphthalene	"	0.0016	0.0012	0.0099	"	"	"	"	"	J, B
Benzo[a]anthracene	"	ND	0.0024	0.0099	"	"	"	"	"	
Acenaphthylene	"	ND	0.0011	0.0099	"	"	"	"	"	
Anthracene	"	0.0013	0.00079	0.0099	"	"	"	"	"	J, B
Chrysene	"	ND	0.0021	0.0099	"	"	"	"	"	
Acenaphthene	"	0.0011	0.00099	0.0099	"	"	"	"	"	J, B
Benzo[b]fluoranthene	"	ND	0.0026	0.0099	"	"	"	"	"	
Fluoranthene	"	0.0031	0.0016	0.0099	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0024	0.0099	"	"	"	"	"	
Fluorene	"	0.0023	0.0012	0.0099	"	"	"	"	"	J, B
Pyrene	"	0.0036	0.0017	0.0099	"	"	"	"	"	J, B
Benzo[a]pyrene	"	ND	0.0019	0.020	"	"	"	"	"	
Phenanthrene	"	0.0054	0.0011	0.0099	"	"	"	"	"	J, B
Indeno[1,2,3-cd]pyrene	"	ND	0.0020	0.0099	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0018	0.0099	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0020	0.0099	"	"	"	"	"	

Surrogate(s): Nitrobenzene-d5	92%	40 - 110 %	"	"
2-Fluorobiphenyl	80%	50 - 110 %	"	"
Terphenyl-d14	92%	50 - 135 %	"	"

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16


Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-16 (G-RS3SW-090609)		Water		Sampled: 09/06/09 12:00						
Naphthalene	8270C STD	ND	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 18:38	
2-Methylnaphthalene	"	ND	0.0028	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0055	0.0011	0.0094	"	"	"	"	"	J, B
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	ND	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.0015	0.00075	0.0094	"	"	"	"	"	J, B
Chrysene	"	ND	0.0020	0.0094	"	"	"	"	"	
Acenaphthene	"	0.0029	0.00094	0.0094	"	"	"	"	"	J, B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.0026	0.0015	0.0094	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.0046	0.0011	0.0094	"	"	"	"	"	J, B
Pyrene	"	0.0017	0.0016	0.0094	"	"	"	"	"	J, B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0069	0.0010	0.0094	"	"	"	"	"	J, B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
<i>Surrogate(s): Nitrobenzene-d5</i>			104%		40 - 110 %	"			"	
<i>2-Fluorobiphenyl</i>			90%		50 - 110 %	"			"	
<i>Terphenyl-d14</i>			108%		50 - 135 %	"			"	

SSI0032-17 (G-RS3DSW-090609)		Water		Sampled: 09/06/09 11:40						
Naphthalene	8270C STD	ND	0.0034	0.0094	ug/L	1x	50020	09/10/09 15:12	09/15/09 18:58	
2-Methylnaphthalene	"	ND	0.0028	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0061	0.0011	0.0094	"	"	"	"	"	J, B
Benzo[a]anthracene	"	ND	0.0023	0.0094	"	"	"	"	"	
Acenaphthylene	"	ND	0.0010	0.0094	"	"	"	"	"	
Anthracene	"	0.0016	0.00075	0.0094	"	"	"	"	"	J, B
Chrysene	"	ND	0.0020	0.0094	"	"	"	"	"	
Acenaphthene	"	0.0029	0.00094	0.0094	"	"	"	"	"	J, B
Benzo[b]fluoranthene	"	ND	0.0025	0.0094	"	"	"	"	"	
Fluoranthene	"	0.0028	0.0015	0.0094	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0023	0.0094	"	"	"	"	"	
Fluorene	"	0.0040	0.0011	0.0094	"	"	"	"	"	J, B
Pyrene	"	0.0027	0.0016	0.0094	"	"	"	"	"	J, B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0063	0.0010	0.0094	"	"	"	"	"	J, B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0094	"	"	"	"	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-17 (G-RS3DSW-090609)		Water		Sampled: 09/06/09 11:40						
Dibenz(a,h)anthracene	"	ND	0.0017	0.0094	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0094	"	"	"	"	"	
Surrogate(s):	Nitrobenzene-d5	106%		40 - 110 %		"		"		
	2-Fluorobiphenyl	91%		50 - 110 %		"		"		
	Terphenyl-d14	107%		50 - 135 %		"		"		
SSI0032-19 (G-RS4SW-090609)		Water		Sampled: 09/06/09 13:30						
Naphthalene	8270C STD	0.0076	0.0036	0.0099	ug/L	1x	50020	09/10/09 15:12	09/15/09 19:18	J, B
2-Methylnaphthalene	"	0.011	0.0030	0.013	"	"	"	"	"	J, B
1-Methylnaphthalene	"	0.11	0.0012	0.0099	"	"	"	"	"	B
Benzo[a]anthracene	"	0.0077	0.0024	0.0099	"	"	"	"	"	J
Acenaphthylene	"	0.0094	0.0011	0.0099	"	"	"	"	"	J
Anthracene	"	0.021	0.00079	0.0099	"	"	"	"	"	B
Chrysene	"	0.015	0.0021	0.0099	"	"	"	"	"	
Acenaphthene	"	0.044	0.00099	0.0099	"	"	"	"	"	B
Benzo[b]fluoranthene	"	ND	0.0026	0.0099	"	"	"	"	"	
Fluoranthene	"	0.017	0.0016	0.0099	"	"	"	"	"	B
Benzo[k]fluoranthene	"	ND	0.0024	0.0099	"	"	"	"	"	
Fluorene	"	0.13	0.0012	0.0099	"	"	"	"	"	B
Pyrene	"	0.039	0.0017	0.0099	"	"	"	"	"	B
Benzo[a]pyrene	"	ND	0.0019	0.020	"	"	"	"	"	
Phenanthrene	"	0.21	0.0011	0.0099	"	"	"	"	"	B
Indeno[1,2,3-cd]pyrene	"	ND	0.0020	0.0099	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0018	0.0099	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0020	0.0099	"	"	"	"	"	
Surrogate(s):	Nitrobenzene-d5	99%		40 - 110 %		"		"		
	2-Fluorobiphenyl	84%		50 - 110 %		"		"		
	Terphenyl-d14	104%		50 - 135 %		"		"		

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-20 (G-RS5SW-090609)		Water Sampled: 09/06/09 14:00								
Naphthalene	8270C STD	0.054	0.0039	0.011	ug/L	1x	50020	09/10/09 15:12	09/17/09 17:32	
2-Methylnaphthalene	"	0.013	0.0032	0.014	"	"	"	"	"	J
1-Methylnaphthalene	"	0.21	0.0013	0.011	"	"	"	"	"	
Benzo[a]anthracene	"	ND	0.0026	0.011	"	"	"	"	"	
Acenaphthylene	"	0.0071	0.0012	0.011	"	"	"	"	"	J
Anthracene	"	0.0049	0.00086	0.011	"	"	"	"	"	J
Chrysene	"	ND	0.0023	0.011	"	"	"	"	"	
Acenaphthene	"	0.059	0.0011	0.011	"	"	"	"	"	
Benzo[b]fluoranthene	"	ND	0.0028	0.011	"	"	"	"	"	
Fluoranthene	"	0.0038	0.0017	0.011	"	"	"	"	"	J
Benzo[k]fluoranthene	"	ND	0.0026	0.011	"	"	"	"	"	
Fluorene	"	0.097	0.0013	0.011	"	"	"	"	"	
Pyrene	"	0.0049	0.0018	0.011	"	"	"	"	"	J
Benzo[a]pyrene	"	ND	0.0021	0.022	"	"	"	"	"	
Phenanthrene	"	0.035	0.0012	0.011	"	"	"	"	"	
Indeno[1,2,3-cd]pyrene	"	ND	0.0022	0.011	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0019	0.011	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0022	0.011	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			95%		40 - 110 %	"			"	
2-Fluorobiphenyl			73%		50 - 110 %	"			"	
Terphenyl-d14			101%		50 - 135 %	"			"	

SSI0032-21 (G-RS6SW-090609)

		Water Sampled: 09/06/09 14:50								
Naphthalene	8270C STD	ND	0.0036	0.010	ug/L	1x	50020	09/10/09 15:12	09/17/09 17:52	
2-Methylnaphthalene	"	ND	0.0030	0.013	"	"	"	"	"	
1-Methylnaphthalene	"	0.0056	0.0012	0.010	"	"	"	"	"	J
Benzo[a]anthracene	"	ND	0.0024	0.010	"	"	"	"	"	
Acenaphthylene	"	ND	0.0011	0.010	"	"	"	"	"	
Anthracene	"	0.0015	0.00080	0.010	"	"	"	"	"	J
Chrysene	"	ND	0.0021	0.010	"	"	"	"	"	
Acenaphthene	"	0.0025	0.0010	0.010	"	"	"	"	"	J
Benzo[b]fluoranthene	"	ND	0.0026	0.010	"	"	"	"	"	
Fluoranthene	"	0.0025	0.0016	0.010	"	"	"	"	"	J
Benzo[k]fluoranthene	"	ND	0.0024	0.010	"	"	"	"	"	
Fluorene	"	0.0045	0.0012	0.010	"	"	"	"	"	J
Pyrene	"	0.0022	0.0017	0.010	"	"	"	"	"	J
Benzo[a]pyrene	"	ND	0.0019	0.020	"	"	"	"	"	
Phenanthrene	"	0.0085	0.0011	0.010	"	"	"	"	"	J
Indeno[1,2,3-cd]pyrene	"	ND	0.0020	0.010	"	"	"	"	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
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SSI0032-21 (G-RS6SW-090609)

Water

Sampled: 09/06/09 14:50

Dibenz(a,h)anthracene	8270C STD	ND	0.0018	0.010	ug/L	1x	50020	09/10/09 15:12	09/17/09 17:52	
Benzo[g,h,i]perylene	"	ND	0.0020	0.010	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			104%			40 - 110 %	"		"	
2-Fluorobiphenyl			90%			50 - 110 %	"		"	
Terphenyl-d14			104%			50 - 135 %	"		"	

SSI0032-22 (G-RS7SW-090609)

Water

Sampled: 09/06/09 15:20

Naphthalene	8270C STD	ND	0.0034	0.0095	ug/L	1x	50020	09/10/09 15:12	09/15/09 13:32	
2-Methylnaphthalene	"	ND	0.0029	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0049	0.0011	0.0095	"	"	"	"	"	J, B
Benzo[a]anthracene	"	ND	0.0023	0.0095	"	"	"	"	"	
Acenaphthylene	"	0.0015	0.0010	0.0095	"	"	"	"	"	J
Anthracene	"	0.0015	0.00076	0.0095	"	"	"	"	"	J, B
Chrysene	"	ND	0.0020	0.0095	"	"	"	"	"	
Acenaphthene	"	0.0031	0.00095	0.0095	"	"	"	"	"	J, B
Benzo[b]fluoranthene	"	ND	0.0025	0.0095	"	"	"	"	"	
Fluoranthene	"	0.0033	0.0015	0.0095	"	"	"	"	"	J, B
Benzo[k]fluoranthene	"	ND	0.0023	0.0095	"	"	"	"	"	
Fluorene	"	0.0047	0.0011	0.0095	"	"	"	"	"	J, B
Pyrene	"	0.0054	0.0016	0.0095	"	"	"	"	"	J, B
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0034	0.0010	0.0095	"	"	"	"	"	J, B
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0095	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0095	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0095	"	"	"	"	"	
Surrogate(s): Nitrobenzene-d5			104%			40 - 110 %	"		"	
2-Fluorobiphenyl			89%			50 - 110 %	"		"	
Terphenyl-d14			95%			50 - 135 %	"		"	

SSI0032-23 (G-RS8SW-090609)

Water

Sampled: 09/06/09 16:25

Naphthalene	8270C STD	ND	0.0034	0.0095	ug/L	1x	50020	09/10/09 15:12	09/17/09 18:12	
2-Methylnaphthalene	"	ND	0.0029	0.012	"	"	"	"	"	
1-Methylnaphthalene	"	0.0041	0.0011	0.0095	"	"	"	"	"	J
Benzo[a]anthracene	"	ND	0.0023	0.0095	"	"	"	"	"	
Acenaphthylene	"	ND	0.0010	0.0095	"	"	"	"	"	
Anthracene	"	0.0011	0.00076	0.0095	"	"	"	"	"	J
Chrysene	"	ND	0.0020	0.0095	"	"	"	"	"	
Acenaphthene	"	0.0017	0.00095	0.0095	"	"	"	"	"	J

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM)
TestAmerica Tacoma

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
SSI0032-23 (G-RS8SW-090609)		Water		Sampled: 09/06/09 16:25						
Benzo[b]fluoranthene	8270C STD	ND	0.0025	0.0095	ug/L	1x	50020	09/10/09 15:12	09/17/09 18:12	
Fluoranthene	"	0.0022	0.0015	0.0095	"	"	"	"	"	J
Benzo[k]fluoranthene	"	ND	0.0023	0.0095	"	"	"	"	"	
Fluorene	"	0.0026	0.0011	0.0095	"	"	"	"	"	J
Pyrene	"	0.0023	0.0016	0.0095	"	"	"	"	"	J
Benzo[a]pyrene	"	ND	0.0018	0.019	"	"	"	"	"	
Phenanthrene	"	0.0033	0.0010	0.0095	"	"	"	"	"	J
Indeno[1,2,3-cd]pyrene	"	ND	0.0019	0.0095	"	"	"	"	"	
Dibenz(a,h)anthracene	"	ND	0.0017	0.0095	"	"	"	"	"	
Benzo[g,h,i]perylene	"	ND	0.0019	0.0095	"	"	"	"	"	
<hr/>										
<i>Surrogate(s): Nitrobenzene-d5</i>			105%		40 - 110 %	"			"	
<i>2-Fluorobiphenyl</i>			95%		50 - 110 %	"			"	
<i>Terphenyl-d14</i>			111%		50 - 135 %	"			"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Petroleum Products by NWTPH-Dx - Laboratory Quality Control Results

TestAmerica Spokane


QC Batch: 9090104

Water Preparation Method: EPA 3510/600 Series

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9090104-BLK1)							Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	09/17/09 00:31	
Heavy Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery:	75.9%	Limits: 50-150%		"								09/17/09 00:31
p-Terphenyl-d14			106%	50-150%		"								"
LCS (9090104-BS1)							Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	1.69	---	0.250	mg/l	1x	--	2.50	67.6%	(54.5-136)	--	--	09/17/09 00:55	
Surrogate(s): 2-FBP		Recovery:	75.8%	Limits: 50-150%		"								09/17/09 00:55
p-Terphenyl-d14			94.8%	50-150%		"								"
LCS Dup (9090104-BSD1)							Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	1.82	---	0.250	mg/l	1x	--	2.50	72.9%	(54.5-136)	7.66%	(32.5)	09/17/09 01:18	
Surrogate(s): 2-FBP		Recovery:	81.3%	Limits: 50-150%		"								09/17/09 01:18
p-Terphenyl-d14			103%	50-150%		"								"
Matrix Spike (9090104-MS1)				QC Source: SSI0032-20			Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	1.49	---	0.236	mg/l	1x	ND	2.36	63.1%	(54.5-136)	--	--	09/17/09 14:16	
Surrogate(s): 2-FBP		Recovery:	69.8%	Limits: 50-150%		"								09/17/09 14:16
p-Terphenyl-d14			90.2%	50-150%		"								"
Matrix Spike (9090104-MS2)				QC Source: SSI0032-22			Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	1.56	---	0.245	mg/l	1x	ND	2.45	63.8%	(54.5-136)	--	--	09/17/09 15:03	
Surrogate(s): 2-FBP		Recovery:	63.2%	Limits: 50-150%		"								09/17/09 15:03
p-Terphenyl-d14			79.2%	50-150%		"								"
Matrix Spike Dup (9090104-MSD1)				QC Source: SSI0032-20			Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	1.45	---	0.236	mg/l	1x	ND	2.36	61.6%	(54.5-136)	2.48%	(35)	09/17/09 14:39	
Surrogate(s): 2-FBP		Recovery:	69.5%	Limits: 50-150%		"								09/17/09 14:39
p-Terphenyl-d14			91.0%	50-150%		"								"
Matrix Spike Dup (9090104-MSD2)				QC Source: SSI0032-22			Extracted: 09/16/09 08:06							
Diesel Range Hydrocarbons	NWTPH-Dx	1.67	---	0.240	mg/l	1x	ND	2.40	69.3%	(54.5-136)	6.40%	(35)	09/17/09 15:03	
Surrogate(s): 2-FBP		Recovery:	77.6%	Limits: 50-150%		"								09/17/09 15:03
p-Terphenyl-d14			97.3%	50-150%		"								"

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Petroleum Products by NWTPH-Dx - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 9090118

Other (L) Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9090118-BLK1)							Extracted: 09/18/09 06:13							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg	1x	--	--	--	--	--	--	09/18/09 09:33	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		Recovery:	111%	Limits: 50-150%		"	09/18/09 09:33							
p-Terphenyl-d14			133%	50-150%		"	"							
LCS (9090118-BS1)							Extracted: 09/18/09 06:13							
Diesel Range Hydrocarbons	NWTPH-Dx	69.2	---	10.0	mg/kg	1x	--	83.3	83.1%	(50-150)	--	--	09/18/09 09:57	
Surrogate(s): 2-FBP		Recovery:	97.5%	Limits: 50-150%		"	09/18/09 09:57							
p-Terphenyl-d14			122%	50-150%		"	"							
Duplicate (9090118-DUP1)				QC Source: SSI0074-01				Extracted: 09/18/09 06:13						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	9.85	mg/kg	1x	ND	--	--	--	NR	(25)	09/18/09 11:42	
Heavy Oil Range Hydrocarbons	"	ND	---	24.6	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 2-FBP		Recovery:	94.5%	Limits: 50-150%		"	09/18/09 11:42							
p-Terphenyl-d14			122%	50-150%		"	"							
Matrix Spike (9090118-MS1)				QC Source: SSI0074-01				Extracted: 09/18/09 06:13						
Diesel Range Hydrocarbons	NWTPH-Dx	69.5	---	10.9	mg/kg	1x	ND	90.6	76.7%	(70-130)	--	--	09/18/09 10:20	
Surrogate(s): 2-FBP		Recovery:	86.0%	Limits: 50-150%		"	09/18/09 10:20							
p-Terphenyl-d14			106%	50-150%		"	"							
Matrix Spike Dup (9090118-MSD1)				QC Source: SSI0074-01				Extracted: 09/18/09 06:13						
Diesel Range Hydrocarbons	NWTPH-Dx	69.5	---	10.9	mg/kg	1x	ND	90.6	76.7%	(70-130)	0.00%	(25)	09/18/09 10:20	
Surrogate(s): 2-FBP		Recovery:	86.0%	Limits: 50-150%		"	09/18/09 10:20							
p-Terphenyl-d14			106%	50-150%		"	"							

TestAmerica Spokane



Randee Decker, Project Manager

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18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Petroleum Products by NWTPH-Dx - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 9090121

Water Preparation Method: EPA 3510/600 Series

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (9090121-BLK1)

Extracted: 09/18/09 14:11

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	09/18/09 21:03	
Heavy Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 2-FBP Recovery: 109% Limits: 50-150% " 09/18/09 21:03</i> <i>p-Terphenyl-d14 135% 50-150% " "</i>														

LCS (9090121-BS1)

Extracted: 09/18/09 14:11

Diesel Range Hydrocarbons	NWTPH-Dx	2.19	---	0.250	mg/l	1x	--	2.50	87.4%	(54.5-136)	--	--	09/18/09 21:50	
<i>Surrogate(s): 2-FBP Recovery: 103% Limits: 50-150% " 09/18/09 21:50</i> <i>p-Terphenyl-d14 128% 50-150% " "</i>														

LCS Dup (9090121-BSD1)

Extracted: 09/18/09 14:11

Diesel Range Hydrocarbons	NWTPH-Dx	2.23	---	0.250	mg/l	1x	--	2.50	89.1%	(54.5-136)	1.86%	(32.5)	09/18/09 22:37	
<i>Surrogate(s): 2-FBP Recovery: 102% Limits: 50-150% " 09/18/09 22:37</i> <i>p-Terphenyl-d14 130% 50-150% " "</i>														

QC Batch: 9100094

Water Preparation Method: EPA 3510/600 Series

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Blank (9100094-BLK1)

Extracted: 10/15/09 12:59

Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	10/15/09 17:24	
Heavy Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 2-FBP Recovery: 83.9% Limits: 50-150% " 10/15/09 17:24</i> <i>p-Terphenyl-d14 84.2% 50-150% " "</i>														

LCS (9100094-BS1)

Extracted: 10/15/09 12:59

Diesel Range Hydrocarbons	NWTPH-Dx	1.97	---	0.250	mg/l	1x	--	2.50	78.6%	(54.5-136)	--	--	10/15/09 17:47	
<i>Surrogate(s): 2-FBP Recovery: 86.9% Limits: 50-150% " 10/15/09 17:47</i> <i>p-Terphenyl-d14 89.8% 50-150% " "</i>														

LCS Dup (9100094-BSD1)

Extracted: 10/15/09 12:59

Diesel Range Hydrocarbons	NWTPH-Dx	1.88	---	0.250	mg/l	1x	--	2.50	75.2%	(54.5-136)	4.47%	(32.5)	10/15/09 18:10	
<i>Surrogate(s): 2-FBP Recovery: 83.1% Limits: 50-150% " 10/15/09 18:10</i> <i>p-Terphenyl-d14 87.3% 50-150% " "</i>														

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls by EPA Method 8082 - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 9090119

Other (L) Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (9090119-BLK1)														C7
PCB-1016	EPA 8082	ND	---	1.00	mg/kg	1x	--	--	--	--	--	--	09/18/09 17:29	
PCB-1221	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
PCB-1232	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
PCB-1242	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
PCB-1248	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
PCB-1254	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
PCB-1260	"	ND	---	1.00	"	"	--	--	--	--	--	--	09/18/09 17:52	
Surrogate(s): TCX		Recovery:	78.5%	Limits: 50-150%		"						09/18/09 17:29		
Decachlorobiphenyl			72.6%	50-150%		"						"		
LCS (9090119-BS1)														C7
PCB-1016	EPA 8082	18.8	---	1.00	mg/kg	1x	--	20.0	94.0%	(70-130)	--	--	09/18/09 17:52	
PCB-1260	"	19.7	---	1.00	"	"	--	"	98.6%	"	--	--	"	
Surrogate(s): TCX		Recovery:	107%	Limits: 50-150%		"						09/18/09 17:52		
Decachlorobiphenyl			95.1%	50-150%		"						"		
Matrix Spike (9090119-MS1)														C7
				QC Source: SSI0032-05				Extracted: 09/18/09 08:06						
PCB-1016	EPA 8082	26.8	---	1.00	mg/kg	1x	ND	20.0	134%	(70-130)	--	--	09/18/09 20:08	M1
PCB-1260	"	11.4	---	1.00	"	"	0.116	"	56.5%	"	--	--	"	M2
Surrogate(s): TCX		Recovery:	84.4%	Limits: 50-150%		"						09/18/09 20:08		
Decachlorobiphenyl			48.9%	50-150%		"						"		
Matrix Spike Dup (9090119-MSD1)														C7
				QC Source: SSI0032-05				Extracted: 09/18/09 08:06						
PCB-1016	EPA 8082	29.4	---	1.00	mg/kg	1x	ND	20.0	147%	(70-130)	9.06%	(25)	09/18/09 20:30	M1
PCB-1260	"	11.1	---	1.00	"	"	0.116	"	55.0%	"	2.76%	"	"	M2
Surrogate(s): TCX		Recovery:	101%	Limits: 50-150%		"						09/18/09 20:30		
Decachlorobiphenyl			51.5%	50-150%		"						"		

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 9090081

Other (L) Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (9090081-BLK1)

Extracted: 09/11/09 11:35

1-Methylnaphthalene	EPA 8270 mod.	ND	---	3.00	mg/kg	1x	--	--	--	--	--	--	09/14/09 16:28	
2-Methylnaphthalene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Acenaphthene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Acenaphthylene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	

Surrogate(s): 2-FBP

Recovery: 102%

Limits: 34.5-148%

09/14/09 16:28

Nitrobenzene-d5

98.6%

33-141%

"

p-Terphenyl-d14

96.8%

37.8-150%

"

LCS (9090081-BS1)

Extracted: 09/11/09 11:35

Chrysene	EPA 8270 mod.	91.0	---	3.00	mg/kg	1x	--	100	91.0%	(41.1-125)	--	--	09/14/09 19:01	
Fluorene	"	90.8	---	3.00	"	"	--	"	90.8%	(44.5-120)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	84.2	---	3.00	"	"	--	"	84.2%	(30.1-150)	--	--	"	
Naphthalene	"	94.0	---	3.00	"	"	--	"	94.0%	(29.3-120)	--	--	"	

Surrogate(s): 2-FBP

Recovery: 97.2%

Limits: 34.5-148%

09/14/09 19:01

Nitrobenzene-d5

93.8%

33-141%

"

p-Terphenyl-d14

97.6%

37.8-150%

"

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results

TestAmerica Spokane

QC Batch: 9090081

Other (L) Preparation Method: EPA 3550B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Matrix Spike (9090081-MS1)			QC Source: SSI0032-11					Extracted: 09/11/09 11:35							
Chrysene	EPA 8270 mod.	140	---	3.00	mg/kg	1x	50.6	100	89.8%	(45.2-120)	--	--	09/14/09 00:29	M1	
Fluorene	"	581	---	3.00	"	"	178	"	403%	(25.3-128)	--	--	"		
Indeno (1,2,3-cd) pyrene	"	114	---	3.00	"	"	3.88	"	110%	(32.2-145)	--	--	"		
Naphthalene	"	66.8	---	3.00	"	"	ND	"	66.8%	(28.9-120)	--	--	"		
Surrogate(s): 2-FBP		Recovery:	202%	Limits: 34.5-148%		"								09/14/09 00:29	ZX
Nitrobenzene-d5			53.2%	33-141%		"								"	
p-Terphenyl-d14			118%	37.8-150%		"								"	
Matrix Spike Dup (9090081-MSD1)			QC Source: SSI0032-11					Extracted: 09/11/09 11:35							
Chrysene	EPA 8270 mod.	137	---	3.00	mg/kg	1x	50.6	100	86.2%	(45.2-120)	2.60% (34.7)		09/14/09 00:51	M1	
Fluorene	"	505	---	3.00	"	"	178	"	328%	(25.3-128)	13.9% (38)		"		
Indeno (1,2,3-cd) pyrene	"	114	---	3.00	"	"	3.88	"	111%	(32.2-145)	0.350% (31.5)		"		
Naphthalene	"	57.2	---	3.00	"	"	ND	"	57.2%	(28.9-120)	15.5% (34.6)		"		
Surrogate(s): 2-FBP		Recovery:	176%	Limits: 34.5-148%		"								09/14/09 00:51	ZX
Nitrobenzene-d5			45.6%	33-141%		"								"	
p-Terphenyl-d14			127%	37.8-150%		"								"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Dissolved - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 53620

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (163871D)			QC Source: SSI0032-02					Extracted: 11/09/09 10:32						
Iron	6010B Dissolved	25.0	0.032	0.20	mg/L	1x	5.1	22.0	90%	(75-125)	1%	(20)	11/09/09 18:30	
Calcium	"	46.6	0.028	1.1	"	"	29	20.0	90%	"	1%	"	"	
Manganese	"	1.12	0.0017	0.020	"	"	0.21	1.00	91%	"	1%	"	"	
Magnesium	"	24.5	0.23	1.1	"	"	6.4	20.0	90%	"	0%	"	"	
Antimony	"	2.69	0.0025	0.060	"	"	ND	3.00	90%	"	0%	"	"	
Lead	"	0.915	0.0017	0.030	"	"	ND	1.00	91%	"	1%	"	"	
Potassium	"	19.6	0.41	3.3	"	"	1.1	20.0	93%	"	0%	"	11/10/09 16:53	
Sodium	"	20.2	0.18	2.0	"	"	2.2	"	90%	"	0%	"	"	
Matrix Spike (163871S)			QC Source: SSI0032-02					Extracted: 11/09/09 10:32						
Iron	6010B Dissolved	24.7	0.032	0.20	mg/L	1x	5.1	22.0	89%	(75-125)	--	--	11/09/09 18:25	
Calcium	"	46.9	0.028	1.1	"	"	29	20.0	92%	"	--	--	"	
Manganese	"	1.11	0.0017	0.020	"	"	0.21	1.00	90%	"	--	--	"	
Magnesium	"	24.4	0.23	1.1	"	"	6.4	20.0	90%	"	--	--	"	
Antimony	"	2.68	0.0025	0.060	"	"	ND	3.00	89%	"	--	--	"	
Lead	"	0.908	0.0017	0.030	"	"	ND	1.00	91%	"	--	--	"	
Potassium	"	19.6	0.41	3.3	"	"	1.1	20.0	93%	"	--	--	11/10/09 16:50	
Sodium	"	20.3	0.18	2.0	"	"	2.2	"	91%	"	--	--	"	
Duplicate (163871X)			QC Source: SSI0032-02					Extracted: 11/09/09 10:32						
Iron	6010B Dissolved	5.02	0.032	0.20	mg/L	1x	5.1	--	--	--	1%	(20)	11/09/09 18:19	
Calcium	"	28.5	0.028	1.1	"	"	29	--	--	--	0%	"	"	
Manganese	"	0.209	0.0017	0.020	"	"	0.21	--	--	--	1%	"	"	
Magnesium	"	6.31	0.23	1.1	"	"	6.4	--	--	--	2%	"	"	
Antimony	"	ND	0.0025	0.060	"	"	ND	--	--	--	NC%	"	"	
Lead	"	ND	0.0017	0.030	"	"	ND	--	--	--	NC%	"	"	
Potassium	"	1.09	0.41	3.3	"	"	1.1	--	--	--	0%	"	11/10/09 16:45	J
Sodium	"	2.14	0.18	2.0	"	"	2.2	--	--	--	1%	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Dissolved - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 54228

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (164741D)			QC Source: SSI0032-06					Extracted: 11/18/09 11:31						
Iron	6010B Dissolved	28.6	0.032	0.20	mg/L	1x	8.0	22.0	94%	(75-125)	0%	(20)	11/18/09 20:32	
Manganese	"	2.91	0.0017	0.020	"	"	2.0	1.00	90%	"	1%	"	"	
Matrix Spike (164741S)			QC Source: SSI0032-06					Extracted: 11/18/09 11:31						
Iron	6010B Dissolved	28.7	0.032	0.20	mg/L	1x	8.0	22.0	94%	(75-125)	--	--	11/18/09 20:27	
Manganese	"	2.94	0.0017	0.020	"	"	2.0	1.00	93%	"	--	--	"	
Duplicate (164741X)			QC Source: SSI0032-06					Extracted: 11/18/09 11:31						
Iron	6010B Dissolved	8.15	0.032	0.20	mg/L	1x	8.0	--	--	--	1%	(20)	11/18/09 20:22	
Manganese	"	2.02	0.0017	0.020	"	"	2.0	--	--	--	0%	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Dissolved - Laboratory Quality Control Results

TestAmerica Tacoma


QC Batch: 53620

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (163871D)			QC Source: SSI0032-02					Extracted: 11/09/09 10:32						
Arsenic	6020 Dissolved	3.86	0.0024	0.020	mg/L	50x	ND	4.00	97%	(75-125)	0%	(20)	11/09/09 17:06	
Lead	"	1.02	0.0017	0.020	"	"	ND	1.00	102%	"	0%	"	"	
Antimony	"	2.65	0.0040	0.020	"	"	0.00090	3.00	88%	"	2%	"	"	
Barium	"	4.00	0.0027	0.060	"	"	0.025	4.00	99%	"	0%	"	"	
Beryllium	"	0.0980	0.0026	0.020	"	"	ND	0.100	98%	"	4%	"	"	
Cadmium	"	0.0970	0.0014	0.020	"	"	ND	"	97%	"	3%	"	"	
Chromium	"	0.408	0.0037	0.020	"	"	0.00064	0.400	102%	"	2%	"	"	
Copper	"	0.533	0.0015	0.050	"	"	0.00068	0.500	106%	"	1%	"	"	
Nickel	"	1.04	0.0022	0.020	"	"	0.00090	1.00	104%	"	3%	"	"	
Selenium	"	4.00	0.0034	0.020	"	"	0.00052	4.00	100%	"	2%	"	"	
Silver	"	0.597	0.0015	0.020	"	"	ND	0.600	100%	"	1%	"	"	
Thallium	"	4.03	0.00060	0.040	"	"	0.00045	4.00	101%	"	1%	"	"	
Vanadium	"	1.05	0.0023	0.020	"	"	0.0016	1.00	105%	"	2%	"	"	
Zinc	"	25.5	0.020	0.070	"	"	32	"	-654%	"	0%	"	"	4
Aluminum	"	4.15	0.023	4.0	"	"	0.012	4.00	103%	"	0%	"	"	
Cobalt	"	1.06	0.0016	0.020	"	"	0.00082	1.00	106%	"	2%	"	"	

Matrix Spike (163871S)			QC Source: SSI0032-02					Extracted: 11/09/09 10:32						
Arsenic	6020 Dissolved	3.88	0.0024	0.020	mg/L	50x	ND	4.00	97%	(75-125)	--	--	11/09/09 17:02	
Lead	"	1.02	0.0017	0.020	"	"	ND	1.00	102%	"	--	--	"	
Antimony	"	2.60	0.0040	0.020	"	"	0.00090	3.00	87%	"	--	--	"	
Barium	"	4.00	0.0027	0.060	"	"	0.025	4.00	100%	"	--	--	"	
Beryllium	"	0.102	0.0026	0.020	"	"	ND	0.100	102%	"	--	--	"	
Cadmium	"	0.0946	0.0014	0.020	"	"	ND	"	95%	"	--	--	"	
Chromium	"	0.401	0.0037	0.020	"	"	0.00064	0.400	100%	"	--	--	"	
Copper	"	0.529	0.0015	0.050	"	"	0.00068	0.500	106%	"	--	--	"	
Nickel	"	1.01	0.0022	0.020	"	"	0.00090	1.00	101%	"	--	--	"	
Selenium	"	4.07	0.0034	0.020	"	"	0.00052	4.00	102%	"	--	--	"	
Silver	"	0.594	0.0015	0.020	"	"	ND	0.600	99%	"	--	--	"	
Thallium	"	3.99	0.00060	0.040	"	"	0.00045	4.00	100%	"	--	--	"	
Vanadium	"	1.04	0.0023	0.020	"	"	0.0016	1.00	103%	"	--	--	"	
Zinc	"	25.6	0.020	0.070	"	"	32	"	-642%	"	--	--	"	4
Aluminum	"	4.15	0.023	4.0	"	"	0.012	4.00	103%	"	--	--	"	
Cobalt	"	1.04	0.0016	0.020	"	"	0.00082	1.00	104%	"	--	--	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Dissolved - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 53620

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (163871X)			QC Source: SSI0032-02					Extracted: 11/09/09 10:32						
Arsenic	6020 Dissolved	ND	0.00024	0.0020	mg/L	5x	ND	--	--	--	NC% (20)	11/09/09 16:58		
Lead	"	ND	0.00017	0.0020	"	"	ND	--	--	--	NC% "	"		
Antimony	"	0.000810	0.00040	0.0020	"	"	0.00090	--	--	--	11% "	"		J
Barium	"	0.0260	0.00027	0.0060	"	"	0.025	--	--	--	5% "	"		
Beryllium	"	ND	0.00026	0.0020	"	"	ND	--	--	--	NC% "	"		
Cadmium	"	ND	0.00014	0.0020	"	"	ND	--	--	--	NC% "	"		
Chromium	"	0.000905	0.00037	0.0020	"	"	0.00064	--	--	--	35% "	"		J
Copper	"	0.000685	0.00015	0.0050	"	"	0.00068	--	--	--	1% "	"		J
Nickel	"	0.000860	0.00022	0.0020	"	"	0.00090	--	--	--	5% "	"		J
Selenium	"	ND	0.00034	0.0020	"	"	0.00052	--	--	--	NC% "	"		
Silver	"	ND	0.00015	0.0020	"	"	ND	--	--	--	NC% "	"		
Thallium	"	0.000475	0.000060	0.0040	"	"	0.00045	--	--	--	5% "	"		J
Vanadium	"	0.00291	0.00023	0.0020	"	"	0.0016	--	--	--	57% "	"		
Zinc	"	32.3	0.0020	0.0070	"	"	32	--	--	--	1% "	"		
Aluminum	"	0.0128	0.0023	0.40	"	"	0.012	--	--	--	10% "	"		J
Cobalt	"	0.000735	0.00016	0.0020	"	"	0.00082	--	--	--	10% "	"		J

QC Batch: 54228

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (164741D)			QC Source: SSI0032-06					Extracted: 11/18/09 11:31						
Arsenic	6020 Dissolved	3.77	0.0024	0.020	mg/L	50x	0.0096	4.00	94%	(75-125)	1% (20)	11/18/09 20:05		
Matrix Spike (164741S)			QC Source: SSI0032-06					Extracted: 11/18/09 11:31						
Arsenic	6020 Dissolved	3.73	0.0024	0.020	mg/L	50x	0.0096	4.00	93%	(75-125)	-- --	11/18/09 19:59		
Duplicate (164741X)			QC Source: SSI0032-06					Extracted: 11/18/09 11:31						
Arsenic	6020 Dissolved	0.00910	0.00024	0.0020	mg/L	5x	0.0096	--	--	--	6% (20)	11/18/09 19:53		

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.	Project Name: Avery Landing	
18300 NE Union Hill Rd. Suite 200	Project Number: 073-93312-03	Report Created:
Redmond, WA 98077	Project Manager: Doug Morell	11/19/09 15:16

Mercury (CVAA) Dissolved - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 53714

Water Preparation Method: 7470A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (163871D)			QC Source: SSI0032-02					Extracted: 11/10/09 10:01						
Mercury	7470A Dissolved	0.00195	0.000041	0.00020	mg/L	1x	ND	0.00200	98%	(75-125)	1%	(20)	11/10/09 15:26	
Matrix Spike (163871S)			QC Source: SSI0032-02					Extracted: 11/10/09 10:01						
Mercury	7470A Dissolved	0.00193	0.000041	0.00020	mg/L	1x	ND	0.00200	96%	(75-125)	--	--	11/10/09 15:22	
Duplicate (163871X)			QC Source: SSI0032-02					Extracted: 11/10/09 10:01						
Mercury	7470A Dissolved	ND	0.000041	0.00020	mg/L	1x	ND	--	--	--	NC%	(20)	11/10/09 15:17	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Mercury (CVAA) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50154

Water Preparation Method: 7470A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (1534817D)			QC Source: SSI0032-22					Extracted: 09/14/09 09:02						
Mercury	7470A	0.00195	0.000041	0.00020	mg/L	1x	ND	0.00200	98%	(75-125)	7%	(20)	09/14/09 11:16	
Matrix Spike (1534817S)			QC Source: SSI0032-22					Extracted: 09/14/09 09:02						
Mercury	7470A	0.00210	0.000041	0.00020	mg/L	1x	ND	0.00200	105%	(75-125)	--	--	09/14/09 11:12	
Duplicate (1534817X)			QC Source: SSI0032-22					Extracted: 09/14/09 09:02						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	ND	--	--	--	NC%	(20)	09/14/09 11:07	
Blank (580-50191-23)			QC Source:					Extracted: 09/14/09 09:02						
Mercury	7470A	ND	0.000041	0.00020	mg/L	1x	--	--	--	--	--	--	09/14/09 10:46	
LCS (580-50191-24)			QC Source:					Extracted: 09/14/09 09:02						
Mercury	7470A	0.00200	0.000041	0.00020	mg/L	1x	--	0.00200	100%	(75-125)	--	--	09/14/09 10:50	
LCS Dup (580-50191-25)			QC Source:					Extracted: 09/14/09 09:02						
Mercury	7470A	0.00215	0.000041	0.00020	mg/L	1x	--	0.00200	108%	(75-125)	7%	(20)	09/14/09 10:55	
LCS (580-50191-26)			QC Source:					Extracted: 09/14/09 09:02						
Mercury	7470A	0.00215	0.000041	0.00020	mg/L	1x	--	0.00200	108%	(75-125)	--	--	09/14/09 10:59	

QC Batch: 50889

Waste Preparation Method: 7471A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (1534820D)			QC Source: SSI0032-05					Extracted: 09/25/09 11:09						
Mercury	7471A	0.350	0.012	0.038	mg/Kg	1x	ND	0.378	92%	(75-125)	6%	(35)	09/28/09 12:53	
Matrix Spike (1534820S)			QC Source: SSI0032-05					Extracted: 09/25/09 11:09						
Mercury	7471A	0.371	0.012	0.038	mg/Kg	1x	ND	0.380	97%	(75-125)	--	--	09/28/09 12:48	
Duplicate (1534820X)			QC Source: SSI0032-05					Extracted: 09/25/09 11:09						
Mercury	7471A	ND	0.012	0.037	mg/Kg	1x	ND	--	--	--	NC%	(35)	09/28/09 12:44	
Blank (580-51077-23)			QC Source:					Extracted: 09/25/09 11:09						
Mercury	7471A	ND	0.013	0.040	mg/Kg	1x	--	--	--	--	--	--	09/28/09 12:14	
LCS (580-51077-24)			QC Source:					Extracted: 09/25/09 11:09						
Mercury	7471A	0.382	0.013	0.040	mg/Kg	1x	--	0.400	96%	(75-125)	--	--	09/28/09 12:19	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Mercury (CVAA) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50889

Waste Preparation Method: 7471A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (580-51077-25)			QC Source:					Extracted: 09/25/09 11:09						
Mercury	7471A	0.384	0.013	0.040	mg/Kg	1x	--	0.400	96%	(75-125)	1%	(25)	09/28/09 12:23	
LCS (580-51077-26)			QC Source:					Extracted: 09/25/09 11:09						
Mercury	7471A	4.43	0.031	0.10	mg/Kg	1x	--	4.47	99%	(80-120)	--	--	09/28/09 12:27	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50886

Waste Preparation Method: 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (1534820D)		QC Source: SSI0032-05					Extracted: 09/25/09 10:48							
Aluminum	6010B TMP	985	33	110	mg/Kg	1x	1500	752	-68%	(75-125)	69%	(35)	09/25/09 16:37	F
Lead	"	185	0.45	5.6	"	"	3.2	188	97%	"	0%	"	"	
Arsenic	"	746	0.49	11	"	"	4.8	752	99%	"	0%	"	"	
Calcium	"	3970	5.6	210	"	"	570	3760	91%	"	7%	"	"	
Antimony	"	535	0.64	11	"	"	ND	564	95%	"	3%	"	"	
Beryllium	"	17.8	0.0045	0.94	"	"	0.055	18.8	95%	"	1%	"	"	
Chromium	"	75.6	0.18	4.9	"	"	1.8	75.2	98%	"	1%	"	"	
Potassium	"	3810	60	620	"	"	290	3760	93%	"	2%	"	"	
Selenium	"	704	0.45	19	"	"	ND	752	94%	"	1%	"	"	
Silver	"	102	0.17	3.8	"	"	ND	113	90%	"	1%	"	"	
Barium	"	754	0.056	1.9	"	"	24	752	97%	"	2%	"	"	
Iron	"	4450	1.7	38	"	"	2300	4140	53%	"	23%	"	"	F
Sodium	"	3410	26	380	"	"	780	3760	70%	"	18%	"	"	F
Magnesium	"	3980	2.5	210	"	"	800	"	85%	"	9%	"	"	
Nickel	"	198	0.30	3.8	"	"	9.7	188	100%	"	0%	"	"	
Copper	"	105	0.83	3.8	"	"	12	94.0	99%	"	3%	"	"	
Manganese	"	192	0.030	3.8	"	"	31	188	86%	"	8%	"	"	
Cadmium	"	18.2	0.30	1.9	"	"	ND	18.8	97%	"	1%	"	"	
Cobalt	"	193	0.12	1.9	"	"	1.8	188	102%	"	1%	"	"	
Thallium	"	754	0.53	19	"	"	ND	752	100%	"	1%	"	"	
Vanadium	"	195	0.11	1.9	"	"	8.5	188	99%	"	0%	"	"	
Zinc	"	191	0.75	9.4	"	"	21	"	90%	"	5%	"	"	

Matrix Spike (1534820S)

QC Source: SSI0032-05

Extracted: 09/25/09 10:48

Aluminum	6010B TMP	2020	34	110	mg/Kg	1x	1500	761	69%	(75-125)	--	--	09/25/09 16:32	F
Lead	"	185	0.46	5.7	"	"	3.2	190	96%	"	--	--	"	
Arsenic	"	743	0.49	11	"	"	4.8	761	97%	"	--	--	"	
Calcium	"	4270	5.7	210	"	"	570	3810	97%	"	--	--	"	
Antimony	"	521	0.65	11	"	"	ND	571	91%	"	--	--	"	
Beryllium	"	18.0	0.0046	0.95	"	"	0.055	19.0	95%	"	--	--	"	
Selenium	"	700	0.46	19	"	"	ND	761	92%	"	--	--	"	
Chromium	"	76.6	0.18	4.9	"	"	1.8	76.1	98%	"	--	--	"	
Potassium	"	3890	61	630	"	"	290	3810	95%	"	--	--	"	
Silver	"	101	0.17	3.8	"	"	ND	114	89%	"	--	--	"	
Barium	"	769	0.057	1.9	"	"	24	761	98%	"	--	--	"	
Iron	"	5610	1.8	38	"	"	2300	4190	80%	"	--	--	"	
Sodium	"	4100	26	380	"	"	780	3810	87%	"	--	--	"	
Nickel	"	198	0.30	3.8	"	"	9.7	190	99%	"	--	--	"	
Magnesium	"	4380	2.5	210	"	"	800	3810	94%	"	--	--	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50886

Waste Preparation Method: 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (1534820S)			QC Source: SSI0032-05					Extracted: 09/25/09 10:48						
Manganese	6010B TMP	208	0.030	3.8	mg/Kg	1x	31	190	93%	(75-125)	--	--	09/25/09 16:32	
Copper	"	108	0.84	3.8	"	"	12	95.1	102%	"	--	--	"	
Cadmium	"	18.0	0.30	1.9	"	"	ND	19.0	95%	"	--	--	"	
Cobalt	"	194	0.12	1.9	"	"	1.8	190	101%	"	--	--	"	
Thallium	"	743	0.53	19	"	"	ND	761	98%	"	--	--	"	
Vanadium	"	195	0.11	1.9	"	"	8.5	190	98%	"	--	--	"	
Zinc	"	200	0.76	9.5	"	"	21	"	94%	"	--	--	"	
Duplicate (1534820X)			QC Source: SSI0032-05					Extracted: 09/25/09 10:48						
Aluminum	6010B TMP	1230	36	120	mg/Kg	1x	1500	--	--	--	20%	(35)	09/25/09 16:26	
Lead	"	2.68	0.48	6.0	"	"	3.2	--	--	--	17%	"	"	J
Arsenic	"	4.89	0.52	12	"	"	4.8	--	--	--	1%	"	"	J
Calcium	"	544	6.0	220	"	"	570	--	--	--	4%	"	"	
Antimony	"	ND	0.68	12	"	"	ND	--	--	--	NC%	"	"	
Selenium	"	ND	0.48	20	"	"	ND	--	--	--	NC%	"	"	
Beryllium	"	0.0402	0.0048	1.0	"	"	0.055	--	--	--	31%	"	"	J
Chromium	"	1.77	0.19	5.2	"	"	1.8	--	--	--	0%	"	"	J
Potassium	"	241	64	660	"	"	290	--	--	--	20%	"	"	J
Iron	"	1980	1.8	40	"	"	2300	--	--	--	13%	"	"	
Barium	"	20.8	0.060	2.0	"	"	24	--	--	--	16%	"	"	
Silver	"	ND	0.18	4.0	"	"	ND	--	--	--	NC%	"	"	
Magnesium	"	614	2.6	220	"	"	800	--	--	--	26%	"	"	
Sodium	"	1150	27	400	"	"	780	--	--	--	38%	"	"	
Nickel	"	12.2	0.32	4.0	"	"	9.7	--	--	--	23%	"	"	
Cadmium	"	ND	0.32	2.0	"	"	ND	--	--	--	NC%	"	"	
Copper	"	12.0	0.88	4.0	"	"	12	--	--	--	3%	"	"	
Manganese	"	25.8	0.032	4.0	"	"	31	--	--	--	18%	"	"	
Cobalt	"	1.40	0.13	2.0	"	"	1.8	--	--	--	23%	"	"	J
Thallium	"	ND	0.56	20	"	"	ND	--	--	--	NC%	"	"	
Vanadium	"	10.9	0.12	2.0	"	"	8.5	--	--	--	25%	"	"	
Zinc	"	19.6	0.80	10	"	"	21	--	--	--	5%	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50886

Waste Preparation Method: 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (580-50992-13)			QC Source:					Extracted: 09/25/09 10:48						
Aluminum	6010B TMP	ND	36	120	mg/Kg	1x	--	--	--	--	--	--	09/25/09 15:52	
Lead	"	ND	0.48	6.0	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	0.52	12	"	"	--	--	--	--	--	--	"	
Calcium	"	ND	6.0	220	"	"	--	--	--	--	--	--	"	
Antimony	"	ND	0.68	12	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	0.19	5.2	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	0.48	20	"	"	--	--	--	--	--	--	"	
Potassium	"	ND	64	660	"	"	--	--	--	--	--	--	"	
Beryllium	"	ND	0.0048	1.0	"	"	--	--	--	--	--	--	"	
Barium	"	ND	0.060	2.0	"	"	--	--	--	--	--	--	"	
Silver	"	ND	0.18	4.0	"	"	--	--	--	--	--	--	"	
Iron	"	ND	1.8	40	"	"	--	--	--	--	--	--	"	
Sodium	"	ND	27	400	"	"	--	--	--	--	--	--	"	
Nickel	"	ND	0.32	4.0	"	"	--	--	--	--	--	--	"	
Magnesium	"	5.54	2.6	220	"	"	--	--	--	--	--	--	"	J
Copper	"	ND	0.88	4.0	"	"	--	--	--	--	--	--	"	
Manganese	"	ND	0.032	4.0	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	0.32	2.0	"	"	--	--	--	--	--	--	"	
Cobalt	"	ND	0.13	2.0	"	"	--	--	--	--	--	--	"	
Thallium	"	2.79	0.56	20	"	"	--	--	--	--	--	--	"	J
Vanadium	"	ND	0.12	2.0	"	"	--	--	--	--	--	--	"	
Zinc	"	ND	0.80	10	"	"	--	--	--	--	--	--	"	

LCS (580-50992-14)

QC Source:

Extracted: 09/25/09 10:48

Aluminum	6010B TMP	771	36	120	mg/Kg	1x	--	800	96%	(80-120)	--	--	09/25/09 15:59	
Lead	"	187	0.48	6.0	"	"	--	200	93%	"	--	--	"	
Arsenic	"	745	0.52	12	"	"	--	800	93%	"	--	--	"	
Calcium	"	3830	6.0	220	"	"	--	4000	96%	"	--	--	"	
Antimony	"	550	0.68	12	"	"	--	600	92%	"	--	--	"	
Beryllium	"	18.5	0.0048	1.0	"	"	--	20.0	92%	"	--	--	"	
Selenium	"	713	0.48	20	"	"	--	800	89%	"	--	--	"	
Potassium	"	3810	64	660	"	"	--	4000	95%	"	--	--	"	
Chromium	"	77.4	0.19	5.2	"	"	--	80.0	97%	"	--	--	"	
Silver	"	111	0.18	4.0	"	"	--	120	92%	"	--	--	"	
Barium	"	780	0.060	2.0	"	"	--	800	97%	"	--	--	"	
Iron	"	4310	1.8	40	"	"	--	4400	98%	"	--	--	"	
Sodium	"	3310	27	400	"	"	--	4000	83%	"	--	--	"	
Magnesium	"	3860	2.6	220	"	"	--	"	97%	"	--	--	"	
Nickel	"	195	0.32	4.0	"	"	--	200	98%	"	--	--	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50886

Waste Preparation Method: 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-50992-14)			QC Source:					Extracted: 09/25/09 10:48						
Cadmium	6010B TMP	18.4	0.32	2.0	mg/Kg	1x	--	20.0	92%	(80-120)	--	--	09/25/09 15:59	
Manganese	"	197	0.032	4.0	"	"	--	200	98%	"	--	--	"	
Copper	"	89.9	0.88	4.0	"	"	--	100	90%	"	--	--	"	
Cobalt	"	197	0.13	2.0	"	"	--	200	99%	"	--	--	"	
Thallium	"	776	0.56	20	"	"	--	800	97%	"	--	--	"	
Vanadium	"	192	0.12	2.0	"	"	--	200	96%	"	--	--	"	
Zinc	"	187	0.80	10	"	"	--	"	93%	"	--	--	"	
LCS Dup (580-50992-15)			QC Source:					Extracted: 09/25/09 10:48						
Aluminum	6010B TMP	783	36	120	mg/Kg	1x	--	800	98%	(80-120)	1%	(35)	09/25/09 16:03	
Lead	"	190	0.48	6.0	"	"	--	200	95%	"	1%	"	"	
Arsenic	"	755	0.52	12	"	"	--	800	94%	"	1%	"	"	
Calcium	"	3820	6.0	220	"	"	--	4000	95%	"	0%	"	"	
Antimony	"	557	0.68	12	"	"	--	600	93%	"	1%	"	"	
Chromium	"	78.3	0.19	5.2	"	"	--	80.0	98%	"	1%	"	"	
Beryllium	"	18.7	0.0048	1.0	"	"	--	20.0	93%	"	1%	"	"	
Potassium	"	3800	64	660	"	"	--	4000	95%	"	0%	"	"	
Selenium	"	723	0.48	20	"	"	--	800	90%	"	1%	"	"	
Iron	"	4310	1.8	40	"	"	--	4400	98%	"	0%	"	"	
Barium	"	790	0.060	2.0	"	"	--	800	99%	"	1%	"	"	
Silver	"	112	0.18	4.0	"	"	--	120	93%	"	1%	"	"	
Sodium	"	3310	27	400	"	"	--	4000	83%	"	0%	"	"	
Magnesium	"	3850	2.6	220	"	"	--	"	96%	"	0%	"	"	
Nickel	"	198	0.32	4.0	"	"	--	200	99%	"	1%	"	"	
Cadmium	"	18.6	0.32	2.0	"	"	--	20.0	93%	"	1%	"	"	
Manganese	"	199	0.032	4.0	"	"	--	200	100%	"	1%	"	"	
Copper	"	90.8	0.88	4.0	"	"	--	100	91%	"	1%	"	"	
Cobalt	"	200	0.13	2.0	"	"	--	200	100%	"	1%	"	"	
Thallium	"	785	0.56	20	"	"	--	800	98%	"	1%	"	"	
Vanadium	"	194	0.12	2.0	"	"	--	200	97%	"	1%	"	"	
Zinc	"	189	0.80	10	"	"	--	"	95%	"	1%	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50886

Waste Preparation Method: 3050B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-50992-16)		QC Source:				Extracted: 09/25/09 10:50								
Aluminum	6010B TMP	787	36	120	mg/Kg	1x	--	800	98%	(51.5-148.	--	--	09/25/09 16:08	
Lead	"	192	0.48	6.0	"	"	--	200	96%	(81.5-118.	--	--	"	
Arsenic	"	767	0.52	12	"	"	--	800	96%	(79.2-121.	--	--	"	
Calcium	"	3890	6.0	220	"	"	--	4000	97%	(80.6-119.	--	--	"	
Antimony	"	560	0.68	12	"	"	--	600	93%	(0-263.2)	--	--	"	
Potassium	"	3870	64	660	"	"	--	4000	97%	(73.3-127.	--	--	"	
Selenium	"	734	0.48	20	"	"	--	800	92%	(76.7-123.	--	--	"	
Chromium	"	79.5	0.19	5.2	"	"	--	80.0	99%	(80.1-119.	--	--	"	
Beryllium	"	19.0	0.0048	1.0	"	"	--	20.0	95%	(79.6-120.	--	--	"	
Silver	"	112	0.18	4.0	"	"	--	120	93%	(46.6-153.	--	--	"	
Iron	"	4350	1.8	40	"	"	--	4400	99%	(30.1-169.	--	--	"	
Barium	"	800	0.060	2.0	"	"	--	800	100%	(81.5-118.	--	--	"	
Nickel	"	200	0.32	4.0	"	"	--	200	100%	(78.5-122.	--	--	"	
Magnesium	"	3910	2.6	220	"	"	--	4000	98%	(73.8-126.	--	--	"	
Sodium	"	3330	27	400	"	"	--	"	83%	(70.1-129.	--	--	"	
Manganese	"	202	0.032	4.0	"	"	--	200	101%	(76.7-123.	--	--	"	
Copper	"	91.3	0.88	4.0	"	"	--	100	91%	(78.4-122.	--	--	"	
Cadmium	"	18.9	0.32	2.0	"	"	--	20.0	94%	(81.2-118.	--	--	"	
Cobalt	"	202	0.13	2.0	"	"	--	200	101%	(81.0-119.	--	--	"	
Thallium	"	797	0.56	20	"	"	--	800	100%	(78.1-121.	--	--	"	
Vanadium	"	197	0.12	2.0	"	"	--	200	98%	(77.1-123.	--	--	"	
Zinc	"	192	0.80	10	"	"	--	"	96%	(80.4-119.	--	--	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50495

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Matrix Spike Dup (1534817D)

QC Source: SSI0032-22

Extracted: 09/18/09 11:30

Aluminum	6010B Total Recoverable	4.18	0.31	0.50	mg/L	1x	ND	4.00	105%	(75-125)	4%	(20)	09/21/09 12:18	
Sodium	"	19.7	0.18	2.0	"	"	1.0	20.0	93%	"	3%	"	"	
Potassium	"	20.2	0.41	3.3	"	"	0.69	"	97%	"	1%	"	"	
Calcium	"	31.0	0.028	1.1	"	"	11	"	100%	"	4%	"	"	
Manganese	"	1.01	0.0017	0.020	"	"	0.0076	1.00	100%	"	3%	"	"	
Iron	"	21.9	0.032	0.20	"	"	ND	22.0	99%	"	2%	"	"	
Magnesium	"	22.0	0.23	1.1	"	"	2.3	20.0	99%	"	4%	"	"	

Matrix Spike (1534817S)

QC Source: SSI0032-22

Extracted: 09/18/09 11:30

Aluminum	6010B Total Recoverable	4.04	0.31	0.50	mg/L	1x	ND	4.00	101%	(75-125)	--	--	09/21/09 12:15	
Sodium	"	19.1	0.18	2.0	"	"	1.0	20.0	90%	"	--	--	"	
Calcium	"	29.9	0.028	1.1	"	"	11	"	94%	"	--	--	"	
Manganese	"	0.985	0.0017	0.020	"	"	0.0076	1.00	98%	"	--	--	"	
Potassium	"	20.0	0.41	3.3	"	"	0.69	20.0	97%	"	--	--	"	
Iron	"	21.4	0.032	0.20	"	"	ND	22.0	97%	"	--	--	"	
Magnesium	"	21.2	0.23	1.1	"	"	2.3	20.0	95%	"	--	--	"	

Duplicate (1534817X)

QC Source: SSI0032-22

Extracted: 09/18/09 11:30

Sodium	6010B Total Recoverable	1.06	0.18	2.0	mg/L	1x	1.0	--	--	--	3%	(20)	09/21/09 12:09	J
Aluminum	"	ND	0.31	0.50	"	"	ND	--	--	--	NC%	"	"	
Potassium	"	0.687	0.41	3.3	"	"	0.69	--	--	--	0%	"	"	J
Manganese	"	0.00823	0.0017	0.020	"	"	0.0076	--	--	--	8%	"	"	J
Calcium	"	11.6	0.028	1.1	"	"	11	--	--	--	4%	"	"	
Iron	"	ND	0.032	0.20	"	"	ND	--	--	--	NC%	"	"	
Magnesium	"	2.37	0.23	1.1	"	"	2.3	--	--	--	3%	"	"	


Blank (580-50617-13)

QC Source:

Extracted: 09/18/09 11:30

Sodium	6010B Total Recoverable	ND	0.18	2.0	mg/L	1x	--	--	--	--	--	--	09/21/09 11:42	
Aluminum	"	ND	0.31	0.50	"	"	--	--	--	--	--	--	"	
Potassium	"	ND	0.41	3.3	"	"	--	--	--	--	--	--	"	
Manganese	"	ND	0.0017	0.020	"	"	--	--	--	--	--	--	"	
Calcium	"	ND	0.028	1.1	"	"	--	--	--	--	--	--	"	
Iron	"	ND	0.032	0.20	"	"	--	--	--	--	--	--	"	
Magnesium	"	ND	0.23	1.1	"	"	--	--	--	--	--	--	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP) Total Recoverable - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50495

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-50617-14)			QC Source:					Extracted: 09/18/09 11:30						
Aluminum	6010B Total Recoverable	4.10	0.31	0.50	mg/L	1x	--	4.00	103%	(80-120)	--	--	09/21/09 11:47	
Sodium	"	17.9	0.18	2.0	"	"	--	20.0	89%	"	--	--	"	
Potassium	"	19.3	0.41	3.3	"	"	--	"	96%	"	--	--	"	
Calcium	"	19.1	0.028	1.1	"	"	--	"	95%	"	--	--	"	
Manganese	"	0.991	0.0017	0.020	"	"	--	1.00	99%	"	--	--	"	
Iron	"	21.6	0.032	0.20	"	"	--	22.0	98%	"	--	--	"	
Magnesium	"	19.3	0.23	1.1	"	"	--	20.0	97%	"	--	--	"	
LCS Dup (580-50617-15)			QC Source:					Extracted: 09/18/09 11:30						
Aluminum	6010B Total Recoverable	4.08	0.31	0.50	mg/L	1x	--	4.00	102%	(80-120)	0%	(20)	09/21/09 11:51	
Sodium	"	18.1	0.18	2.0	"	"	--	20.0	91%	"	1%	"	"	
Manganese	"	0.990	0.0017	0.020	"	"	--	1.00	99%	"	0%	"	"	
Potassium	"	20.2	0.41	3.3	"	"	--	20.0	101%	"	5%	"	"	
Calcium	"	19.7	0.028	1.1	"	"	--	"	98%	"	3%	"	"	
Iron	"	21.9	0.032	0.20	"	"	--	22.0	100%	"	2%	"	"	
Magnesium	"	19.9	0.23	1.1	"	"	--	20.0	100%	"	3%	"	"	
LCS (580-50617-16)			QC Source:					Extracted: 09/18/09 11:30						
Sodium	6010B Total Recoverable	17.6	0.18	2.0	mg/L	1x	--	20.0	88%	(80-120)	--	--	09/21/09 11:54	
Aluminum	"	4.02	0.31	0.50	"	"	--	4.00	100%	"	--	--	"	
Calcium	"	19.1	0.028	1.1	"	"	--	20.0	95%	"	--	--	"	
Manganese	"	0.974	0.0017	0.020	"	"	--	1.00	97%	"	--	--	"	
Potassium	"	18.5	0.41	3.3	"	"	--	20.0	93%	"	--	--	"	
Iron	"	21.3	0.032	0.20	"	"	--	22.0	97%	"	--	--	"	
Magnesium	"	19.3	0.23	1.1	"	"	--	20.0	96%	"	--	--	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50495

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (1534817D)			QC Source: SSI0032-22					Extracted: 09/18/09 11:30						
Arsenic	6020 Total Recoverable	3.80	0.0024	0.020	mg/L	50x	ND	4.00	95%	(75-125)	1%	(20)	09/21/09 08:54	
Cadmium	"	0.109	0.0014	0.020	"	"	ND	0.100	109%	"	1%	"	"	
Lead	"	1.07	0.0017	0.020	"	"	ND	1.00	107%	"	0%	"	"	
Antimony	"	3.05	0.0040	0.020	"	"	ND	3.00	102%	"	2%	"	"	
Chromium	"	0.397	0.0037	0.020	"	"	0.00042	0.400	99%	"	3%	"	"	
Nickel	"	1.00	0.0022	0.020	"	"	0.00047	1.00	100%	"	4%	"	"	
Selenium	"	3.88	0.0034	0.020	"	"	ND	4.00	97%	"	2%	"	"	
Barium	"	4.34	0.0027	0.060	"	"	0.0076	"	108%	"	1%	"	"	
Cobalt	"	1.01	0.0016	0.020	"	"	ND	1.00	101%	"	2%	"	"	
Silver	"	0.684	0.0015	0.020	"	"	ND	0.600	114%	"	1%	"	"	
Beryllium	"	0.111	0.0026	0.020	"	"	ND	0.100	111%	"	3%	"	"	
Copper	"	0.510	0.0015	0.050	"	"	0.00076	0.500	102%	"	4%	"	"	
Thallium	"	4.14	0.00060	0.040	"	"	ND	4.00	103%	"	1%	"	"	
Vanadium	"	0.989	0.0023	0.020	"	"	ND	1.00	99%	"	6%	"	"	
Zinc	"	0.963	0.020	0.070	"	"	ND	"	96%	"	5%	"	"	

Matrix Spike (1534817S)

			QC Source: SSI0032-22					Extracted: 09/18/09 11:30						
Arsenic	6020 Total Recoverable	3.84	0.0024	0.020	mg/L	50x	ND	4.00	96%	(75-125)	--	--	09/21/09 08:49	
Cadmium	"	0.108	0.0014	0.020	"	"	ND	0.100	108%	"	--	--	"	
Lead	"	1.07	0.0017	0.020	"	"	ND	1.00	107%	"	--	--	"	
Chromium	"	0.410	0.0037	0.020	"	"	0.00042	0.400	102%	"	--	--	"	
Nickel	"	1.04	0.0022	0.020	"	"	0.00047	1.00	104%	"	--	--	"	
Antimony	"	3.00	0.0040	0.020	"	"	ND	3.00	100%	"	--	--	"	
Barium	"	4.37	0.0027	0.060	"	"	0.0076	4.00	109%	"	--	--	"	
Cobalt	"	1.03	0.0016	0.020	"	"	ND	1.00	103%	"	--	--	"	
Selenium	"	3.95	0.0034	0.020	"	"	ND	4.00	99%	"	--	--	"	
Beryllium	"	0.108	0.0026	0.020	"	"	ND	0.100	108%	"	--	--	"	
Copper	"	0.530	0.0015	0.050	"	"	0.00076	0.500	106%	"	--	--	"	
Silver	"	0.692	0.0015	0.020	"	"	ND	0.600	115%	"	--	--	"	
Thallium	"	4.18	0.00060	0.040	"	"	ND	4.00	104%	"	--	--	"	
Vanadium	"	1.04	0.0023	0.020	"	"	ND	1.00	104%	"	--	--	"	
Zinc	"	1.01	0.020	0.070	"	"	ND	"	101%	"	--	--	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50495

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (1534817X)			QC Source: SSI0032-22					Extracted: 09/18/09 11:30						
Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	ND	--	--	--	NC%	(20)	09/21/09 08:44	
Cadmium	"	ND	0.00014	0.0020	"	"	ND	--	--	--	NC%	"	"	
Lead	"	ND	0.00017	0.0020	"	"	ND	--	--	--	NC%	"	"	
Antimony	"	ND	0.00040	0.0020	"	"	ND	--	--	--	NC%	"	"	
Chromium	"	0.000440	0.00037	0.0020	"	"	0.00042	--	--	--	6%	"	"	J
Nickel	"	0.000460	0.00022	0.0020	"	"	0.00047	--	--	--	2%	"	"	J
Selenium	"	ND	0.00034	0.0020	"	"	ND	--	--	--	NC%	"	"	
Barium	"	0.00763	0.00027	0.0060	"	"	0.0076	--	--	--	1%	"	"	
Cobalt	"	ND	0.00016	0.0020	"	"	ND	--	--	--	NC%	"	"	
Copper	"	0.000770	0.00015	0.0050	"	"	0.00076	--	--	--	2%	"	"	J
Silver	"	ND	0.00015	0.0020	"	"	ND	--	--	--	NC%	"	"	
Beryllium	"	ND	0.00026	0.0020	"	"	ND	--	--	--	NC%	"	"	
Thallium	"	ND	0.000060	0.0040	"	"	ND	--	--	--	NC%	"	"	
Vanadium	"	ND	0.00023	0.0020	"	"	ND	--	--	--	NC%	"	"	
Zinc	"	ND	0.0020	0.0070	"	"	ND	--	--	--	NC%	"	"	

Blank (580-50621-27)

QC Source:

Extracted: 09/18/09 11:30

Arsenic	6020 Total Recoverable	ND	0.00024	0.0020	mg/L	5x	--	--	--	--	--	--	09/21/09 08:28	
Cadmium	"	ND	0.00014	0.0020	"	"	--	--	--	--	--	--	"	
Lead	"	ND	0.00017	0.0020	"	"	--	--	--	--	--	--	"	
Nickel	"	ND	0.00022	0.0020	"	"	--	--	--	--	--	--	"	
Antimony	"	ND	0.00040	0.0020	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	0.00037	0.0020	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	0.00034	0.0020	"	"	--	--	--	--	--	--	"	
Barium	"	ND	0.00027	0.0060	"	"	--	--	--	--	--	--	"	
Cobalt	"	ND	0.00016	0.0020	"	"	--	--	--	--	--	--	"	
Copper	"	ND	0.00015	0.0050	"	"	--	--	--	--	--	--	"	
Silver	"	ND	0.00015	0.0020	"	"	--	--	--	--	--	--	"	
Beryllium	"	ND	0.00026	0.0020	"	"	--	--	--	--	--	--	"	
Thallium	"	ND	0.000060	0.0040	"	"	--	--	--	--	--	--	"	
Vanadium	"	ND	0.00023	0.0020	"	"	--	--	--	--	--	--	"	
Zinc	"	ND	0.0020	0.0070	"	"	--	--	--	--	--	--	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50495

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-50621-34)			QC Source:				Extracted: 09/18/09 11:30							
Lead	6020 Total Recoverable	1.02	0.0017	0.020	mg/L	50x	--	1.00	102%	(80-120)	--	--	09/21/09 09:05	
Arsenic	"	3.78	0.0024	0.020	"	"	--	4.00	94%	"	--	--	"	
Cadmium	"	0.101	0.0014	0.020	"	"	--	0.100	101%	"	--	--	"	
Nickel	"	0.974	0.0022	0.020	"	"	--	1.00	97%	"	--	--	"	
Chromium	"	0.386	0.0037	0.020	"	"	--	0.400	96%	"	--	--	"	
Antimony	"	2.86	0.0040	0.020	"	"	--	3.00	95%	"	--	--	"	
Cobalt	"	0.967	0.0016	0.020	"	"	--	1.00	97%	"	--	--	"	
Selenium	"	3.90	0.0034	0.020	"	"	--	4.00	98%	"	--	--	"	
Barium	"	4.18	0.0027	0.060	"	"	--	"	104%	"	--	--	"	
Beryllium	"	0.102	0.0026	0.020	"	"	--	0.100	102%	"	--	--	"	
Copper	"	0.490	0.0015	0.050	"	"	--	0.500	98%	"	--	--	"	
Silver	"	0.649	0.0015	0.020	"	"	--	0.600	108%	"	--	--	"	
Thallium	"	3.92	0.00060	0.040	"	"	--	4.00	98%	"	--	--	"	
Vanadium	"	0.980	0.0023	0.020	"	"	--	1.00	98%	"	--	--	"	
Zinc	"	0.966	0.020	0.070	"	"	--	"	97%	"	--	--	"	
LCS Dup (580-50621-35)			QC Source:				Extracted: 09/18/09 11:30							
Arsenic	6020 Total Recoverable	3.70	0.0024	0.020	mg/L	50x	--	4.00	93%	(80-120)	2%	(20)	09/21/09 09:10	
Lead	"	1.00	0.0017	0.020	"	"	--	1.00	100%	"	1%	"	"	
Cadmium	"	0.107	0.0014	0.020	"	"	--	0.100	107%	"	5%	"	"	
Nickel	"	0.954	0.0022	0.020	"	"	--	1.00	95%	"	2%	"	"	
Chromium	"	0.383	0.0037	0.020	"	"	--	0.400	96%	"	1%	"	"	
Antimony	"	2.82	0.0040	0.020	"	"	--	3.00	94%	"	1%	"	"	
Cobalt	"	0.957	0.0016	0.020	"	"	--	1.00	96%	"	1%	"	"	
Selenium	"	3.80	0.0034	0.020	"	"	--	4.00	95%	"	3%	"	"	
Barium	"	4.15	0.0027	0.060	"	"	--	"	104%	"	1%	"	"	
Silver	"	0.657	0.0015	0.020	"	"	--	0.600	110%	"	1%	"	"	
Copper	"	0.475	0.0015	0.050	"	"	--	0.500	95%	"	3%	"	"	
Beryllium	"	0.109	0.0026	0.020	"	"	--	0.100	109%	"	6%	"	"	
Thallium	"	4.02	0.00060	0.040	"	"	--	4.00	100%	"	2%	"	"	
Vanadium	"	0.976	0.0023	0.020	"	"	--	1.00	98%	"	0%	"	"	
Zinc	"	0.918	0.020	0.070	"	"	--	"	92%	"	5%	"	"	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Metals (ICP/MS) Total Recoverable - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50495

Water Preparation Method: 3005A

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-50621-36)			QC Source:					Extracted: 09/18/09 11:30						
Cadmium	6020 Total Recoverable	0.100	0.0014	0.020	mg/L	50x	--	0.100	100%	(80-120)	--	--	09/21/09 09:16	
Lead	"	1.03	0.0017	0.020	"	"	--	1.00	103%	"	--	--	"	
Arsenic	"	3.75	0.0024	0.020	"	"	--	4.00	94%	"	--	--	"	
Antimony	"	2.90	0.0040	0.020	"	"	--	3.00	97%	"	--	--	"	
Nickel	"	0.970	0.0022	0.020	"	"	--	1.00	97%	"	--	--	"	
Chromium	"	0.394	0.0037	0.020	"	"	--	0.400	99%	"	--	--	"	
Selenium	"	3.86	0.0034	0.020	"	"	--	4.00	97%	"	--	--	"	
Cobalt	"	0.970	0.0016	0.020	"	"	--	1.00	97%	"	--	--	"	
Barium	"	4.21	0.0027	0.060	"	"	--	4.00	105%	"	--	--	"	
Silver	"	0.668	0.0015	0.020	"	"	--	0.600	111%	"	--	--	"	
Copper	"	0.489	0.0015	0.050	"	"	--	0.500	98%	"	--	--	"	
Beryllium	"	0.112	0.0026	0.020	"	"	--	0.100	112%	"	--	--	"	
Thallium	"	3.99	0.00060	0.040	"	"	--	4.00	100%	"	--	--	"	
Vanadium	"	0.998	0.0023	0.020	"	"	--	1.00	100%	"	--	--	"	
Zinc	"	0.961	0.020	0.070	"	"	--	"	96%	"	--	--	"	

TestAmerica Spokane



Rande Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50020

Water Preparation Method: 3510C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (580-52355-16)			QC Source:					Extracted: 09/10/09 15:12						
PCB-1232	8082 STD	ND	0.0041	0.050	ug/L	1x	--	--	--	--	--	--	10/20/09 16:38	
PCB-1016	"	ND	0.0045	0.050	"	"	--	--	--	--	--	--	"	
PCB-1242	"	ND	0.0041	0.050	"	"	--	--	--	--	--	--	"	
PCB-1221	"	ND	0.0062	0.050	"	"	--	--	--	--	--	--	"	
PCB-1248	"	ND	0.0071	0.050	"	"	--	--	--	--	--	--	"	
PCB-1254	"	ND	0.0044	0.050	"	"	--	--	--	--	--	--	"	
PCB-1260	"	ND	0.0039	0.050	"	"	--	--	--	--	--	--	"	

QC Batch: 52716

Water Preparation Method: 3510C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (1534817D)			QC Source: SSI0032-22					Extracted: 10/12/09 15:10						
PCB-1016	8082 STD	0.618	0.0044	0.049	ug/L	1x	ND	0.971	64%	(25-145)	5%	(27)	10/23/09 18:21	
PCB-1260	"	0.774	0.0038	0.049	"	"	ND	"	80%	(30-145)	7%	(22)	"	
Surrogate(s): Tetrachloro-m-xylene		Recovery:	63%	Limits:	60-150%	"	10/23/09 18:21							
DCB Decachlorobiphenyl		Recovery:	58%	Limits:	40-135%	"	"							

Matrix Spike (1534817S)

QC Source: SSI0032-22

Extracted: 10/12/09 15:10

PCB-1016	8082 STD	0.588	0.0042	0.047	ug/L	1x	ND	0.943	62%	(25-145)	--	--	10/23/09 18:06	
PCB-1260	"	0.724	0.0037	0.047	"	"	ND	"	77%	(30-145)	--	--	"	
Surrogate(s): Tetrachloro-m-xylene		Recovery:	61%	Limits:	60-150%	"	10/23/09 18:06							
DCB Decachlorobiphenyl		Recovery:	58%	Limits:	40-135%	"	"							

Blank (580-52626-15)

QC Source:

Extracted: 10/12/09 15:10

PCB-1016	8082 STD	ND	0.0045	0.050	ug/L	1x	--	--	--	--	--	--	10/23/09 14:44	
PCB-1232	"	ND	0.0041	0.050	"	"	--	--	--	--	--	--	"	
PCB-1242	"	ND	0.0041	0.050	"	"	--	--	--	--	--	--	"	
PCB-1221	"	ND	0.0062	0.050	"	"	--	--	--	--	--	--	"	
PCB-1248	"	ND	0.0071	0.050	"	"	--	--	--	--	--	--	"	
PCB-1254	"	ND	0.0044	0.050	"	"	--	--	--	--	--	--	"	
PCB-1260	"	ND	0.0039	0.050	"	"	--	--	--	--	--	--	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Polychlorinated Biphenyls (PCBs) by Gas Chromatogr - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 52716

Water Preparation Method: 3510C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-52626-16)			QC Source:					Extracted: 10/12/09 15:10						
PCB-1016	8082 STD	0.624	0.0045	0.050	ug/L	1x	--	1.00	62%	(25-145)	--	--	10/23/09 14:59	
PCB-1260	"	0.766	0.0039	0.050	"	"	--	"	77%	(30-145)	--	--	"	
<i>Surrogate(s): Tetrachloro-m-xylene</i>		<i>Recovery:</i>	63%	<i>Limits: 60-150%</i>		"	10/23/09 14:59							
<i>DCB Decachlorobiphenyl</i>		<i>Recovery:</i>	61%	<i>Limits: 40-135%</i>		"	"							

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50020

Water Preparation Method: 3510C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (1534817D)			QC Source: SSI0032-22					Extracted: 09/10/09 15:12						
Naphthalene	8270C STD	0.799	0.0034	0.0094	ug/L	1x	ND	0.947	84%	(40-100)	3%	(30)	09/15/09 14:12	
2-Methylnaphthalene	"	0.909	0.0028	0.012	"	"	ND	0.946	96%	(45-105)	3%	"	"	
Benzo[a]anthracene	"	0.912	0.0023	0.0094	"	"	ND	"	96%	(55-110)	3%	"	"	
1-Methylnaphthalene	"	0.809	0.0011	0.0094	"	"	0.0049	0.945	85%	(50-150)	4%	"	"	
Acenaphthylene	"	0.855	0.0010	0.0094	"	"	0.0015	0.946	90%	(50-105)	1%	"	"	
Anthracene	"	0.805	0.00075	0.0094	"	"	0.0015	0.947	85%	(55-110)	1%	"	"	
Chrysene	"	0.833	0.0020	0.0094	"	"	ND	0.943	88%	"	3%	"	"	
Fluoranthene	"	0.881	0.0015	0.0094	"	"	0.0033	0.944	93%	(55-115)	4%	"	"	
Benzo[b]fluoranthene	"	0.778	0.0025	0.0094	"	"	ND	"	82%	(45-120)	3%	"	"	
Acenaphthene	"	0.806	0.00094	0.0094	"	"	0.0031	0.946	85%	(45-110)	2%	"	"	
Fluorene	"	0.881	0.0011	0.0094	"	"	0.0047	0.943	93%	(50-110)	0%	"	"	
Benzo[k]fluoranthene	"	0.723	0.0023	0.0094	"	"	ND	"	77%	(45-125)	2%	"	"	
Pyrene	"	0.845	0.0016	0.0094	"	"	0.0054	0.945	89%	(50-130)	4%	"	"	
Phenanthrene	"	0.828	0.0010	0.0094	"	"	0.0034	0.946	87%	(50-115)	2%	"	"	
Benzo[a]pyrene	"	0.810	0.0018	0.019	"	"	ND	0.947	86%	(55-110)	2%	"	"	
Indeno[1,2,3-cd]pyrene	"	0.773	0.0019	0.0094	"	"	ND	0.946	82%	(45-125)	2%	"	"	
Dibenz[a,h]anthracene	"	0.772	0.0017	0.0094	"	"	ND	0.943	82%	(40-125)	2%	"	"	
Benzo[g,h,i]perylene	"	0.741	0.0019	0.0094	"	"	ND	0.946	78%	"	3%	"	"	
Surrogate(s): Nitrobenzene-d5		Recovery:	104%	Limits:	40-110%	"							09/15/09 14:12	
2-Fluorobiphenyl			84%		50-110%	"							"	
Terphenyl-d14			96%		50-135%	"							"	

Matrix Spike (1534817S)

			QC Source: SSI0032-22					Extracted: 09/10/09 15:12						
Naphthalene	8270C STD	0.774	0.0035	0.0098	ug/L	1x	ND	0.984	79%	(40-100)	--	--	09/15/09 13:52	
2-Methylnaphthalene	"	0.879	0.0029	0.013	"	"	ND	0.983	89%	(45-105)	--	--	"	
1-Methylnaphthalene	"	0.779	0.0012	0.0098	"	"	0.0049	0.982	79%	(50-150)	--	--	"	
Benzo[a]anthracene	"	0.883	0.0024	0.0098	"	"	ND	0.983	90%	(55-110)	--	--	"	
Acenaphthylene	"	0.848	0.0011	0.0098	"	"	0.0015	"	86%	(50-105)	--	--	"	
Anthracene	"	0.799	0.00078	0.0098	"	"	0.0015	0.984	81%	(55-110)	--	--	"	
Chrysene	"	0.805	0.0021	0.0098	"	"	ND	0.980	82%	"	--	--	"	
Acenaphthene	"	0.791	0.00098	0.0098	"	"	0.0031	0.983	80%	(45-110)	--	--	"	
Fluoranthene	"	0.844	0.0016	0.0098	"	"	0.0033	0.981	86%	(55-115)	--	--	"	
Benzo[b]fluoranthene	"	0.756	0.0025	0.0098	"	"	ND	"	77%	(45-120)	--	--	"	
Pyrene	"	0.810	0.0017	0.0098	"	"	0.0054	0.982	82%	(50-130)	--	--	"	
Fluorene	"	0.880	0.0012	0.0098	"	"	0.0047	0.980	89%	(50-110)	--	--	"	
Benzo[k]fluoranthene	"	0.712	0.0024	0.0098	"	"	ND	"	73%	(45-125)	--	--	"	
Phenanthrene	"	0.809	0.0011	0.0098	"	"	0.0034	0.983	82%	(50-115)	--	--	"	
Benzo[a]pyrene	"	0.796	0.0019	0.020	"	"	ND	0.984	81%	(55-110)	--	--	"	
Indeno[1,2,3-cd]pyrene	"	0.757	0.0020	0.0098	"	"	ND	0.983	77%	(45-125)	--	--	"	

TestAmerica Spokane

Randee Decker

Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50020

Water Preparation Method: 3510C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Matrix Spike (1534817S)

QC Source: SSI0032-22

Extracted: 09/10/09 15:12

Dibenz[a,h]anthracene	8270C STD	0.760	0.0018	0.0098	ug/L	1x	ND	0.980	77%	(40-125)	--	--	09/15/09 13:52	
Benzo[g,h,i]perylene	"	0.719	0.0020	0.0098	"	"	ND	0.983	73%	"	--	--	"	
<i>Surrogate(s): Nitrobenzene-d5</i>														
		<i>Recovery:</i>	97%	<i>Limits:</i>	40-110%	"								
		<i>2-Fluorobiphenyl</i>	79%		50-110%	"								
		<i>Terphenyl-d14</i>	90%		50-135%	"								

Blank (580-50233-5)

QC Source:

Extracted: 09/10/09 15:12

Naphthalene	8270C STD	0.00511	0.0036	0.010	ug/L	1x	--	--	--	--	--	--	09/15/09 10:51	J
2-Methylnaphthalene	"	0.00488	0.0030	0.013	"	"	--	--	--	--	--	--	"	J
1-Methylnaphthalene	"	0.00299	0.0012	0.010	"	"	--	--	--	--	--	--	"	J
Benzo[a]anthracene	"	ND	0.0024	0.010	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	0.0021	0.010	"	"	--	--	--	--	--	--	"	
Anthracene	"	0.00316	0.00080	0.010	"	"	--	--	--	--	--	--	"	J
Acenaphthylene	"	ND	0.0011	0.010	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	0.00345	0.0016	0.010	"	"	--	--	--	--	--	--	"	J
Benzo[b]fluoranthene	"	ND	0.0026	0.010	"	"	--	--	--	--	--	--	"	
Acenaphthene	"	0.00180	0.0010	0.010	"	"	--	--	--	--	--	--	"	J
Pyrene	"	0.00356	0.0017	0.010	"	"	--	--	--	--	--	--	"	J
Benzo[k]fluoranthene	"	ND	0.0024	0.010	"	"	--	--	--	--	--	--	"	
Fluorene	"	0.00279	0.0012	0.010	"	"	--	--	--	--	--	--	"	J
Phenanthrene	"	0.00532	0.0011	0.010	"	"	--	--	--	--	--	--	"	J
Benzo[a]pyrene	"	ND	0.0019	0.020	"	"	--	--	--	--	--	--	"	
Indeno[1,2,3-cd]pyrene	"	ND	0.0020	0.010	"	"	--	--	--	--	--	--	"	
Dibenz[a,h]anthracene	"	ND	0.0018	0.010	"	"	--	--	--	--	--	--	"	
Benzo[g,h,i]perylene	"	ND	0.0020	0.010	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): Nitrobenzene-d5</i>														
		<i>Recovery:</i>	87%	<i>Limits:</i>	40-110%	"								
		<i>2-Fluorobiphenyl</i>	71%		50-110%	"								
		<i>Terphenyl-d14</i>	78%		50-135%	"								

LCS (580-50233-6)

QC Source:

Extracted: 09/10/09 15:12

Naphthalene	8270C STD	0.880	0.0036	0.010	ug/L	1x	--	1.00	88%	(40-100)	--	--	09/15/09 11:11	
2-Methylnaphthalene	"	0.991	0.0030	0.013	"	"	--	"	99%	(45-105)	--	--	"	
Benzo[a]anthracene	"	0.998	0.0024	0.010	"	"	--	"	100%	(55-110)	--	--	"	
1-Methylnaphthalene	"	0.879	0.0012	0.010	"	"	--	"	88%	(50-150)	--	--	"	
Acenaphthylene	"	0.972	0.0011	0.010	"	"	--	"	97%	(50-105)	--	--	"	
Chrysene	"	0.932	0.0021	0.010	"	"	--	"	93%	(55-110)	--	--	"	
Anthracene	"	0.930	0.00080	0.010	"	"	--	"	93%	"	--	--	"	
Fluoranthene	"	0.938	0.0016	0.010	"	"	--	"	94%	(55-115)	--	--	"	
Benzo[b]fluoranthene	"	0.882	0.0026	0.010	"	"	--	"	88%	(45-120)	--	--	"	
Acenaphthene	"	0.904	0.0010	0.010	"	"	--	"	90%	(45-110)	--	--	"	

TestAmerica Spokane

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Randee Decker, Project Manager



Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Semivolatile Organic Compounds (GC/MS SIM) - Laboratory Quality Control Results

TestAmerica Tacoma

QC Batch: 50020

Water Preparation Method: 3510C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (580-50233-6)			QC Source:				Extracted: 09/10/09 15:12							
Pyrene	"	0.893	0.0017	0.010	"	"	--	"	89%	(50-130)	--	--	"	
Fluorene	"	1.01	0.0012	0.010	"	"	--	"	101%	(50-110)	--	--	"	
Benzo[k]fluoranthene	"	0.818	0.0024	0.010	"	"	--	"	82%	(45-125)	--	--	"	
Phenanthrene	"	0.919	0.0011	0.010	"	"	--	"	92%	(50-115)	--	--	"	
Benzo[a]pyrene	"	0.917	0.0019	0.020	"	"	--	"	91%	(55-110)	--	--	"	
Indeno[1,2,3-cd]pyrene	"	0.872	0.0020	0.010	"	"	--	"	87%	(45-125)	--	--	"	
Dibenz(a,h)anthracene	"	0.874	0.0018	0.010	"	"	--	"	87%	(40-125)	--	--	"	
Benzo[g,h,i]perylene	"	0.827	0.0020	0.010	"	"	--	"	82%	"	--	--	"	
<i>Surrogate(s): Nitrobenzene-d5</i>		<i>Recovery:</i>	<i>111%</i>	<i>Limits: 40-110%</i>									<i>09/15/09 11:11</i>	<i>X</i>
<i>2-Fluorobiphenyl</i>			<i>88%</i>	<i>50-110%</i>									<i>"</i>	
<i>Terphenyl-d14</i>			<i>97%</i>	<i>50-135%</i>									<i>"</i>	

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**
Project Number: 073-93312-03
Project Manager: Doug Morell

Report Created:
11/19/09 15:16

CERTIFICATION SUMMARY

Subcontracted Laboratories

TestAmerica Tacoma

5755 8th Street East - Tacoma, WA 98424

Method Performed: 6010B Dissolved

Samples: SSI0032-02, SSI0032-04, SSI0032-06, SSI0032-07, SSI0032-08, SSI0032-20

Method Performed: 6010B TMP

Samples: SSI0032-05, SSI0032-10, SSI0032-11, SSI0032-12, SSI0032-13

Method Performed: 6010B Total Recoverable

Samples: SSI0032-01, SSI0032-02, SSI0032-03, SSI0032-04, SSI0032-06, SSI0032-07, SSI0032-08, SSI0032-09, SSI0032-14, SSI0032-15, SSI0032-16, SSI0032-17, SSI0032-19, SSI0032-20, SSI0032-21, SSI0032-22, SSI0032-23

Method Performed: 6020 Dissolved

Samples: SSI0032-02, SSI0032-04, SSI0032-06, SSI0032-07, SSI0032-08

Method Performed: 6020 Total Recoverable

Samples: SSI0032-01, SSI0032-02, SSI0032-03, SSI0032-04, SSI0032-06, SSI0032-07, SSI0032-08, SSI0032-09, SSI0032-14, SSI0032-15, SSI0032-16, SSI0032-17, SSI0032-19, SSI0032-20, SSI0032-21, SSI0032-22, SSI0032-23

Method Performed: 7470A

Samples: SSI0032-01, SSI0032-02, SSI0032-03, SSI0032-04, SSI0032-06, SSI0032-07, SSI0032-08, SSI0032-09, SSI0032-14, SSI0032-15, SSI0032-16, SSI0032-17, SSI0032-19, SSI0032-20, SSI0032-21, SSI0032-22, SSI0032-23

Method Performed: 7470A Dissolved

Samples: SSI0032-02, SSI0032-04, SSI0032-07, SSI0032-08

Method Performed: 7471A

Samples: SSI0032-05, SSI0032-10, SSI0032-11, SSI0032-12, SSI0032-13

Method Performed: 8082 STD

Samples: SSI0032-06, SSI0032-06RE1, SSI0032-06RE2, SSI0032-09, SSI0032-09RE1, SSI0032-14, SSI0032-14RE1, SSI0032-15, SSI0032-15RE1, SSI0032-16, SSI0032-16RE1, SSI0032-17, SSI0032-17RE1, SSI0032-19, SSI0032-19RE1, SSI0032-20, SSI0032-20RE1, SSI0032-21, SSI0032-21RE1, SSI0032-21RE2, SSI0032-22, SSI0032-22RE1, SSI0032-23, SSI0032-23RE1

Method Performed: 8270C STD

Samples: SSI0032-01, SSI0032-02, SSI0032-03, SSI0032-04, SSI0032-06, SSI0032-07, SSI0032-08, SSI0032-09, SSI0032-14, SSI0032-15, SSI0032-16, SSI0032-17, SSI0032-19, SSI0032-20, SSI0032-21, SSI0032-22, SSI0032-23

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**

Project Number: 073-93312-03

Project Manager: Doug Morell

Report Created:

11/19/09 15:16

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**
Project Number: 073-93312-03
Project Manager: Doug Morell

Report Created:
11/19/09 15:16

Notes and Definitions

Report Specific Notes:

- 4 - MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- B - Compound was found in the blank and sample.
- C7 - Calibration Verification recovery was below the method control limit due to matrix interference carried over from analytical samples. The matrix interference was confirmed by reanalysis with the same result.
- F - MS or MSD exceeds the control limits
- H - Sample analysis performed past method-specified holding time.
- Ha - Sample was prepped or analyzed beyond the specified holding time
- I - Indicates the presence of an interference, recovery is not calculated.
- I01 - Internal Standard recovery was below method limits. Matrix interference was confirmed by reanalysis. A high bias to the analyte result is indicated.
- J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- M1 - The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- X - Surrogate exceeds the control limits
- Z - Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- Z3 - The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
- ZX - Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

TestAmerica Spokane



Randee Decker, Project Manager

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Golder Associates, Inc.

18300 NE Union Hill Rd. Suite 200
Redmond, WA 98077

Project Name: **Avery Landing**
Project Number: 073-93312-03
Project Manager: Doug Morell

Report Created:
11/19/09 15:16

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*.
Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory.
Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Spokane



Randee Decker, Project Manager

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302
509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145
503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119
907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **5510032**

CLIENT: Goldner Associates		INVOICE TO: Accounting (same address)		P.O. NUMBER:		PRESERVATIVE		REQUESTED ANALYSES		TURNAROUND REQUEST	
REPORT TO: Doug Morell ADDRESS: 18300 NE Union Hill Road, Suite 200 Redmond, WA 98052 PHONE: 425-883-0777 FAX: 425-882-5498 cc: Kirsi Longley		PROJECT NAME: Avery Landing		PROJECT NUMBER: 073-93212-03		SAMPLED BY: Kirsi Longley		CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	
HCL		HN03		HN03		HN03		HN03		HN03	
PCB (80824)		PAH *		Total Metals (8370511)		Total Metals		Total Metals		Total Metals	
extended		X		X		X		X		X	
NWP-H-X		X		X		X		X		X	
1	G-HC1R-090409	9/4/09	900								
2	G-EW3-090409	9/4/09	1120								
3	G-EW4-090409	9/4/09	1320								
4	G-EMW04-090409	9/4/09	1535								
5	G-P1010FP-090409	9/4/09	1730								
6	G-GA1-090509	9/5/09	940								
7	G-EMW05-090509	9/5/09	1125								
8	G-EMW06-090509	9/5/09	1325								
9	G-EB-090509	9/5/09	1400								
10	G-RS5FP-090509	9/5/09	1500								
RELEASED BY: Kirsi Longley		FIRM: Goldner Assoc.		DATE: 9/7/09		TIME: 9:14		RECEIVED BY: Chris Williams		DATE: 9/7/09	
PRINT NAME: Kirsi Longley		FIRM: Goldner Assoc.		DATE: 9/7/09		TIME: 9:14		PRINT NAME: Chris Williams		DATE: 9/7/09	
RELEASED BY: Kirsi Longley		FIRM: Goldner Assoc.		DATE: 9/7/09		TIME: 9:14		RECEIVED BY: Chris Williams		DATE: 9/7/09	
PRINT NAME: Kirsi Longley		FIRM: Goldner Assoc.		DATE: 9/7/09		TIME: 9:14		PRINT NAME: Chris Williams		DATE: 9/7/09	

ADDITIONAL REMARKS: Tier IV Data Package (EPA CLP deliverable). Project Specific Reporting Limited. *PAH analysis must include 1-methylnaphthalene, 2-methylnaphthalene, and 2-methylnaphthalene. Hold dissolved metals bottles - pending analysis of total metals. ** If LNAPL volume is insufficient for all analyses requested, prioritize the analysis as follows: PCB, PAH, Metals, TPH-Dx

TAL-1000(0408)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
11922 E. First Ave, Spokane, WA 99206-3302
9405 SW Nimbus Ave, Beaverton, OR 97008-7145
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
509-924-9200 FAX 924-9290
503-906-9200 FAX 906-9210
907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: <u>Goldner Associates</u>		INVOICE TO: <u>Accounting</u>		TURNAROUND REQUEST	
REPORT TO: <u>Doug Morell</u>		ADDRESS: <u>18300 NE Union Hill Road, Suite 200</u>		in Business Days *	
PHONE: <u>425-883-0777</u> FAX: <u>425-882-5498</u> CC: <u>Kirsi Longley</u>		P.O. NUMBER: <u> </u>		Organic & Inorganic Analyses	
PROJECT NAME: <u>Avery Landing</u>		PRESERVATIVE		Petroleum Hydrocarbon Analyses	
PROJECT NUMBER: <u>073-93312-03</u>		REQUESTED ANALYSES		STANDARD	
SAMPLED BY: <u>Kirsi Longley</u>		HCL		OTHER Specify:	
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		MATRIX (W, S, O)	
1. G-RS4FP-090509 9/5/09 1608		X		LNAPL 2 * *	
2. G-RS3FP-090509 9/5/09 1635		X		LNAPL 1 * *	
3. G-RS3aFP-090509 9/5/09 1700		X		LNAPL 1 * *	
4. G-RS1SW-090509 9/6/09 945		X		W 7	
5. G-RS2SW-090609 9/6/09 1045		X		W 7	
6. G-RS3SW-090609 9/6/09 1200		X		W 7	
7. G-RS3SW-090609 9/6/09 1140		X		W 7	
8. G-RS3SW-090609 9/6/09 1145		X		W 7	
9. G-RS4SW-090609 9/6/09 1330		X		W 7	
10. G-RS5SW-090609 9/6/09 1400		X		W 7	
RELEASED BY: <u>Kirsi Longley</u>		FIRM: <u>Goldner Assoc.</u>		DATE: <u>9/7/09</u>	
PRINT NAME: <u>Kirsi Longley</u>		FIRM: <u>Goldner Assoc.</u>		DATE: <u>9/7/09</u>	
RELEASED BY: <u>Kirsi Longley</u>		FIRM: <u>Goldner Assoc.</u>		DATE: <u>9/7/09</u>	
PRINT NAME: <u>Kirsi Longley</u>		FIRM: <u>Goldner Assoc.</u>		DATE: <u>9/7/09</u>	

ADDITIONAL REMARKS: Tier IV Data package (EPA CLP deliverable).

* PAH analysis must include naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

Hold dissolved metals bottles - pending analysis of total metals.

** If LNAPL volume is insufficient for all analyses requested, prioritize the analysis as follows: PCO, PAH, Metals, TPH-DX

TAL-1000(0408)

PAGES 2 OF 3

THE LEADER IN ENVIRONMENTAL TESTING

425-420-9200	FAX 420-9210	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
509-924-9200	FAX 924-9290	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
503-906-9200	FAX 906-9210	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
907-563-9200	FAX 563-9210	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Work Order #:

CLIENT: <u>Golder Associates</u> REPORT TO: <u>Doug Morell</u> ADDRESS: <u>18300 NE Union Hill Road, Suite 200</u> <u>Redmond, WA 98052</u> PHONE: <u>425-883-0777</u> FAX: <u>425-882-5498</u> PROJECT NAME: <u>Avery Landing</u> PROJECT NUMBER: <u>073-93312-03</u> SAMPLED BY: <u>Kirsi Longley</u>						INVOICE TO: <u>Accounting</u> <u>(same address)</u> P.O. NUMBER: _____ TURNAROUND REQUEST in Business Days * <input checked="" type="checkbox"/> Organic & Inorganic Analyses <input type="checkbox"/> Petroleum Hydrocarbon Analyses STD. 7 5 4 3 2 1 <1 5 4 3 2 1 <1 STD. OTHER Specify: _____ <small>* Turnaround Requests less than standard may incur Rush Charges.</small>									
PRESERVATIVE		REQUESTED ANALYSES										MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
HCL	—	—	HN03	HN03	HA03	HA03	HA03	HA03	HA03	HA03	HA03	HA03	HA03	HA03	
NWTH-H-DX	PCB (8082A)	PAH *	(8270 ST)	TA Metals (Total)	TA Metals (Soluble)	Hold	Hold	Hold	Hold	Hold	Hold	W	7	-2	
X	X	X	X	X	X	X	X	X	X	X	X	W	21	Extra volume ms/msd -22	
X	X	X	X	X	X	X	X	X	X	X	X	W	7	-22	
4															
5															
6															
7															
8															
9															
10															
RELEASED BY: <u>Kirsi Longley</u>		DATE: <u>9/7/09</u>		RECEIVED BY: <u>[Signature]</u>		PRINT NAME: <u>Chris Williams</u>		FIRM: <u>TASPOKore</u>		DATE: <u>9/7/09</u>		TIME: <u>9/4</u>			
RELEASED BY: _____		DATE: _____		RECEIVED BY: _____		PRINT NAME: _____		FIRM: _____		DATE: _____		TIME: _____			
ADDITIONAL REMARKS: <u>Tier III Data Package (EPA CLP deliverable).</u> <u>x PAH Analysis must include naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene</u>															

ADDITIONAL REMARKS: Tier III Data Package (EPA OLP delivarable).

FATH Analysis must include naphthalene, 1-methylnaphthalene, and hold dissolved metals bottles - pending analysis of total metals.

Project Specific reporting limits.

Test America Cooler Receipt Form

WORK ORDER # SSIC0032 CLIENT: Golder PROJECT: Avery
Date /Time Cooler Arrived 09/07/09 09:14 Cooler signed for by: Chris Williams
(Print name)

Preliminary Examination Phase:

Date cooler opened: ☒ same as date received or ____/____/____

Cooler opened by (print) Chris Williams (sign) _____

1. Delivered by ☐ ALASKA AIRLINES ☐ Fed-Ex ☐ UPS ☐ NAC ☐ LYNDEN ☐ CLIENT ☒ Other: Pick-up carrier
Shipment Tracking # if applicable _____ (include copy of shipping papers in file)

2. Number of Custody Seals 8 Signed by K. Longley Date 09/07/09

Were custody seals unbroken and intact on arrival? ☒ Yes ☐ No

3. Were custody papers sealed in a plastic bag? ☐ Yes ☒ No

4. Were custody papers filled out properly (ink, signed, etc.)? ☒ Yes ☐ No

5. Did you sign the custody papers in the appropriate place? ☒ Yes ☐ No

6. Was ice used? ☒ Yes ☐ No Type of ice: ☐ blue ice ☐ gel ice ☒ real ice ☐ dry ice Condition of Ice: _____

Temperature by IR Gun 3.1 °C Thermometer Serial # 81500

Acceptance Criteria: 0 - 6°C

7. Packing in Cooler: ☒ bubble wrap ☐ styrofoam ☐ cardboard ☐ Other: _____

8. Did samples arrive in plastic bags? ☒ Yes ☐ No

9. Did all bottles arrive unbroken, and with labels in good condition? ☒ Yes ☐ No

10. Are all bottle labels complete (ID, date, time, etc.)? ☒ Yes ☐ No

11. Do bottle labels and Chain of Custody agree? ☐ Yes ☒ No

12. Are the containers and preservatives correct for the tests indicated? ☒ Yes ☐ No

13. Is there adequate volume for the tests requested? ☒ Yes ☐ No

14. Were VOA vials free of bubbles? ☒ N/A ☐ Yes ☐ No

If "No" which containers contained "head space" or bubbles? _____

Did not receive sample
B3 SW and we
received an
extra container
not listed on
COC (MWS).
PD

Log-in Phase:

Date of sample log-in 09/07/09

Samples logged in by (print) Chris Williams (sign) Kimberly Steller

1. Was project identifiable from custody papers? ☒ Yes ☐ No

2. Do Turn Around Times and Due Dates agree? ☒ Yes ☐ No

3. Was the Project Manager notified of status? ☒ Yes ☐ No

4. Was the Lab notified of status? ☒ Yes ☐ No

5. Was the COC scanned and copied? ☒ Yes ☐ No